



Amoco Production Company

March 7, 1988

Utah Division of  
Oil, Gas & Mining  
355 West North Temple  
3 Traid Center, Suite 350  
Salt Lake City, Utah 84180

**RECEIVED**  
MAR 11 1988

Re: Anschutz Ranch East W20-03 Well  
SE/4 SW/4, Section 17, T4N, R8E  
Summit County, Utah

DIVISION OF  
OIL, GAS & MINING

File: RMR-79/WF

Enclosed please find an Application for Permit to Drill  
for the above referenced well along with all attachments.

Should there be further questions concerning this APD, please  
contact Karen Gollmer of this office at (307) 783-2234.

Thank you,

*Walter G. Shaffer*  
Walter G. Shaffer  
Dist Drilling Supv

/kg

Attachments

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. Type of Work  
 DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. Type of Well  
 Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
 AMOCO PRODUCTION COMPANY

3. Address of Operator  
 P. O. BOX 829, EVANSTON, WYOMING 82930

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
 At surface\* 1808' FWL 643' FSL Sec. 17, T4N, R8E  
 At proposed prod. zone BHL 2420' FWL & 120' FNL Sec. 20, T4N, R8E

14. Distance in miles and direction from nearest town or post office\*  
 17 miles South from Evanston, Wyoming

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 643'

16. No. of acres in lease

17. No. of acres assigned to this well

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft. 1250'

19. Proposed depth 14,050' *nugget*

20. Rotary or cable tools

21. Elevations (Show whether DF, RT, GR, etc.)  
 GR 7492'

22. Approx. date work will start\*  
 Approval of APD

23. PROPOSED CASING AND CEMENTING PROGRAM

| Size of Hole | Size of Casing | Weight per Foot      | Setting Depth | Quantity of Cement |
|--------------|----------------|----------------------|---------------|--------------------|
| 26"          | 20"            | 133#                 | 300'          | 1000 SX            |
| 17 1/2"      | 13 3/8"        | 61-68#               | 5700'         | 5000 SX            |
| 12 1/4"-16"  | 9 5/8"-10 5/8" | 47.0, 53, 50, 101.4# | 11900'        | 700 SX             |
| 8 1/2"       | 7"             | 26-32#               | 14200'        | 600 SX             |

AMOCO PROPOSES TO DRILL AND COMPLETE THE  
ARE W20-03 WELL AS A NUGGET PRODUCER.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed Walter G. Shaffer Title District Drilling Supervisor Date 3-7-88

(This space for Federal or State office use)

Permit No. 43-043-30291 Approval Date 3-14-88

Approved by John R. Baya Title DATE 3-14-88 Date 3-14-88

Conditions of approval, if any: WELL SPACING: 1615-2-3

\*See Instructions On Reverse Side

10 - Point Drilling Program  
ARE W20-03

- 1) Geologic name of the surface formation: Tertiary
- 2) Estimated tops of geological markers:

| <u>Formation</u> | <u>Depth</u> |
|------------------|--------------|
| Base of Tert.    | 2,750'       |
| Aspen            | 5,475'       |
| Bear River       | 5,765'       |
| Gannet           | 7,050'       |
| Preuss           | 10,050'      |
| Salt             | 11,150'      |
| Twin Creek       | 11,850'      |
| #Nugget          | 13,450'      |
| Total Depth      | 14,050'      |

- 3) Anticipated depths to encounter water, oil, gas or other mineral-bearing formations:

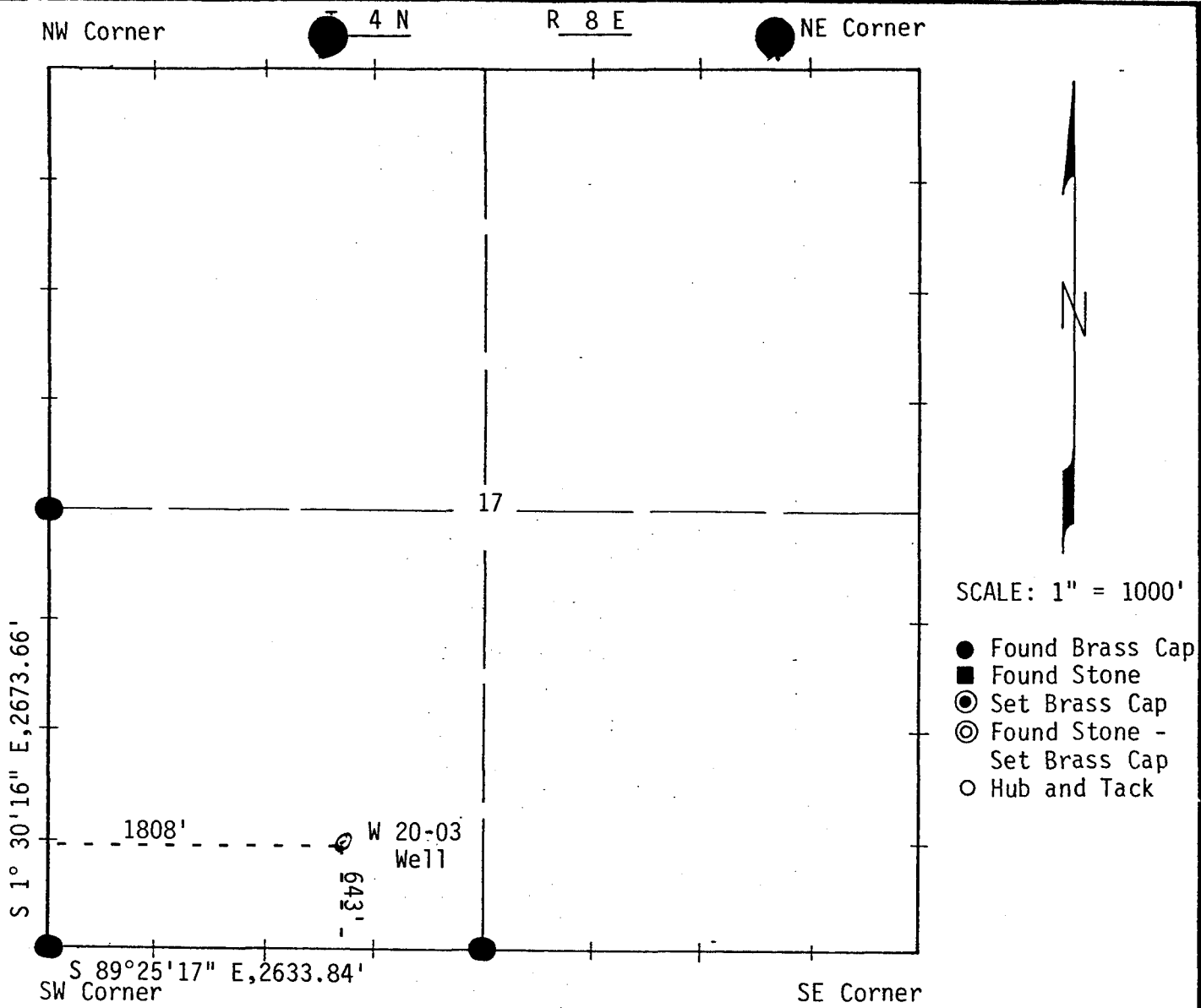
| <u>Substances</u> | <u>Depth</u> |
|-------------------|--------------|
| Oil Gas, Water    | 13,450'      |

- 4) Casing Program:

| <u>Hole Size</u> | <u>Casing</u>  | <u>Wt/Ft</u>          | <u>Grade</u> | <u>Threads</u>    | <u>Cmt Depth</u> |
|------------------|----------------|-----------------------|--------------|-------------------|------------------|
| 26"              | 20"            | 133#                  | K-55         | BTC               | 300'             |
| 17 1/2"          | 13 3/8"        | 61-68#                | K-55,S-80    | BTC               | 5700'            |
| 12 1/4"-16"      | 9 5/8"-10 5/8" | 47.0,53,50,<br>101.4# | N-80,P-110   | LTC               | 11900'           |
| 8 1/2"           | 7"             | 26-32#                | N-80         | X-Line<br>BTC,LTC | 14200'           |

13 3/8" casing will be cemented from setting depth to surface.

- 5) Operators minimum specifications for pressure control equipment are explained on the attached schematic diagram. After running surface casing and prior to drilling out, the BOP and other pressure equipment will be tested to the full working pressure rating as shown on the attached diagram. BOP's will be tested every 30-day interval and after every string of casing is run. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.



SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Brass Cap
- ⊙ Found Stone - Set Brass Cap
- Hub and Tack

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Walt Shaffer of Evanston, Wyoming for Amoco Production Co. I made a survey on the 26th day of January, 1988 for Location and Elevation of the A.R.E. W 20-03 Well as shown on the above map, the wellsite is in the SE 1/4 SW 1/4 of Section 17, Township 4 N, Range 8 E of the S L B & M, Summit County, State of Utah, Elevation is 7,492 Feet Top of Pin Datum U.S.G.S And U.S.C & GS Monuments; NE Corner Section 20: 7231.5'

Reference point \_\_\_\_\_  
 Reference point \_\_\_\_\_  
 Reference point \_\_\_\_\_  
 Reference point \_\_\_\_\_

John A. Proffit 3/7/88  
 R.L.S. NO.

DATE: 3/7/88  
 JOB NO.: 88-10-13

UINTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET, EVANSTON, WYOMING

6) Mud Program:

| <u>Interval</u> | <u>Type Mud</u> | <u>Wt #/gal</u> | <u>Viscosity</u> <u>WL CC/30M</u>       |
|-----------------|-----------------|-----------------|---|
| 0 - 5525'       | LSND- Spud      | 8.8 - 9.0       | Sufficient to clean and stabilize hole. |
| 5525' -TD       | Invert          | 7.8 - 8.8       |   |

7) Auxiliary Equipment:

Kelly cock; sub with full opening valve 3" choke manifold with remote control choke; monitor system on pit level, audio and visual; mudlogger (2-man type) w/chromatograph....

8) Testing Program:

None planned

Logging Program:

|                         |                 |
|-------------------------|-----------------|
| DIL-GR                  | ICP-TD          |
| FDC-CNL-GR-CAL          | ECP-TD          |
| BCS-GR-CAL              | Base Cond-ICP   |
| Digital Array Sonic SDT | ICP-TD          |
| 4-arm dipmeter          | Base Cond-SFC   |
| 6-arm dipmeter          | SFC-TD          |
| Check shot Velocity     | To be run at TD |
| Gyro Directional        | PBTD-SFC        |

Coring Program:

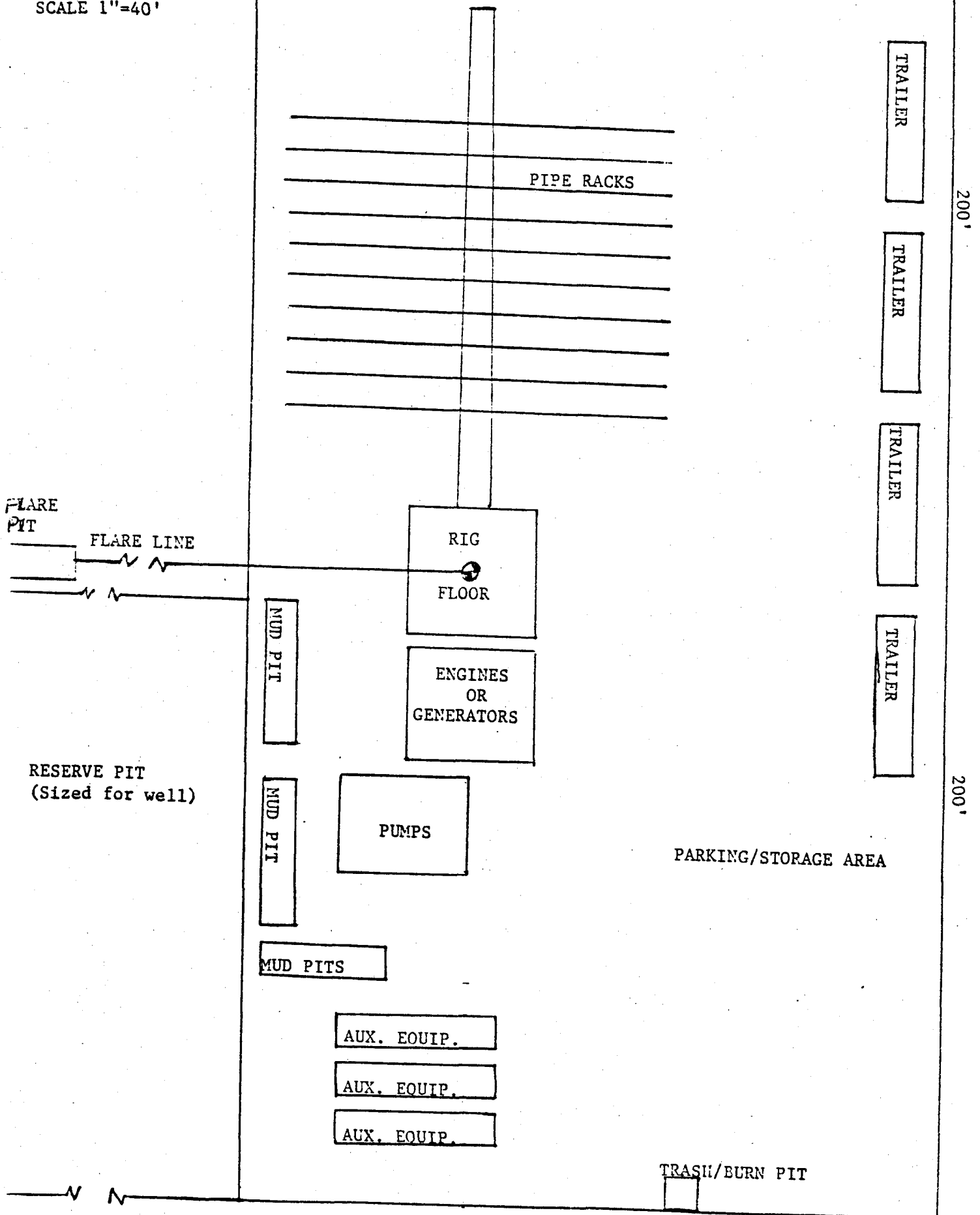
None planned

9) No abnormal pressures or temperatures are anticipated.

10) Anticipated starting date will be when approved and the duration of drilling operations will be approximately 110 days.

SCALE 1"=40'

TYPICAL LOCATION/RIG LAYOUT



200'

200'

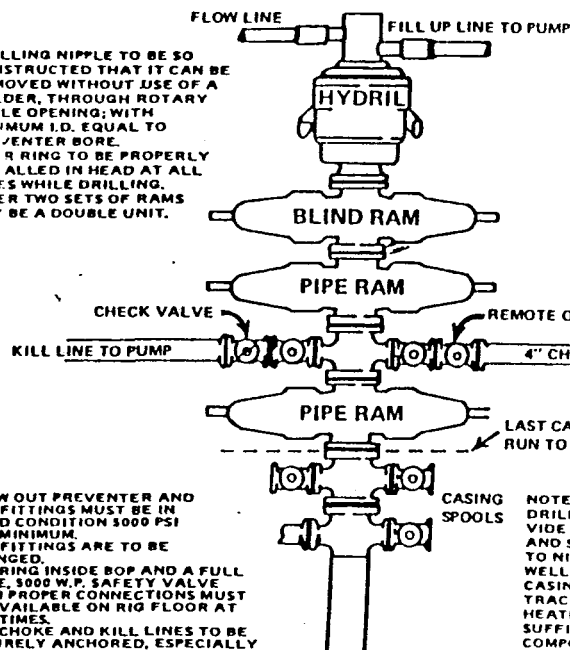
PARKING/STORAGE AREA

TRASH/BURN PIT

# MINIMUM BLOW-OUT PREVENTER REQUIREMENTS 5,000 psi W.P.

### NOTE:

1. DRILLING NIPPLE TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WELDER, THROUGH ROTARY TABLE OPENING; WITH MINIMUM I.D. EQUAL TO PREVENTER BORE.
2. WELDER RING TO BE PROPERLY INSTALLED IN HEAD AT ALL TIMES WHILE DRILLING.
3. UPPER TWO SETS OF RAMS MAY BE A DOUBLE UNIT.



### NOTE:

1. BLOW-OUT PREVENTER AND ALL FITTINGS MUST BE IN GOOD CONDITION 5000 PSI W.P. MINIMUM.
2. ALL FITTINGS ARE TO BE FLANGED.
3. A STRING INSIDE BOP AND A FULL BORE, 5000 W.P. SAFETY VALVE WITH PROPER CONNECTIONS MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES.
4. ALL CHOKE AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKE LINES.
5. KILL LINE MUST BE CONNECTED AT ALL TIMES.
6. EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH.
7. MUST HAVE KELLY COCK ON KELLY.
8. EXTENSION WRENCHES AND HAND WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES.
9. RIG FLOOR BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLER'S POSITION AS FEASIBLE.
10. BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE ENOUGH CAPACITY TO OPERATE BOP'S OPEN/CLOSE TWICE, TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION.
11. EXTEND KILL LINE 150' FROM WELLBORE FOR AUXILIARY HOOKUP CAPABILITY.
12. NO COLLECTOR BOTTLES, SURGE TANKS OR BUFFER CHAMBERS DOWNSTREAM OF THE CHOKE MANIFOLD.
13. THE CHOKE LINE FROM THE STACK TO THE MANIFOLD MUST BE STRAIGHT.
14. IF A FLEXIBLE HOSE IS TO BE USED AS A CHOKE LINE, IT MUST BE APPROVED BY AMOCO PRIOR TO RIGGING UP.

### NOTE:

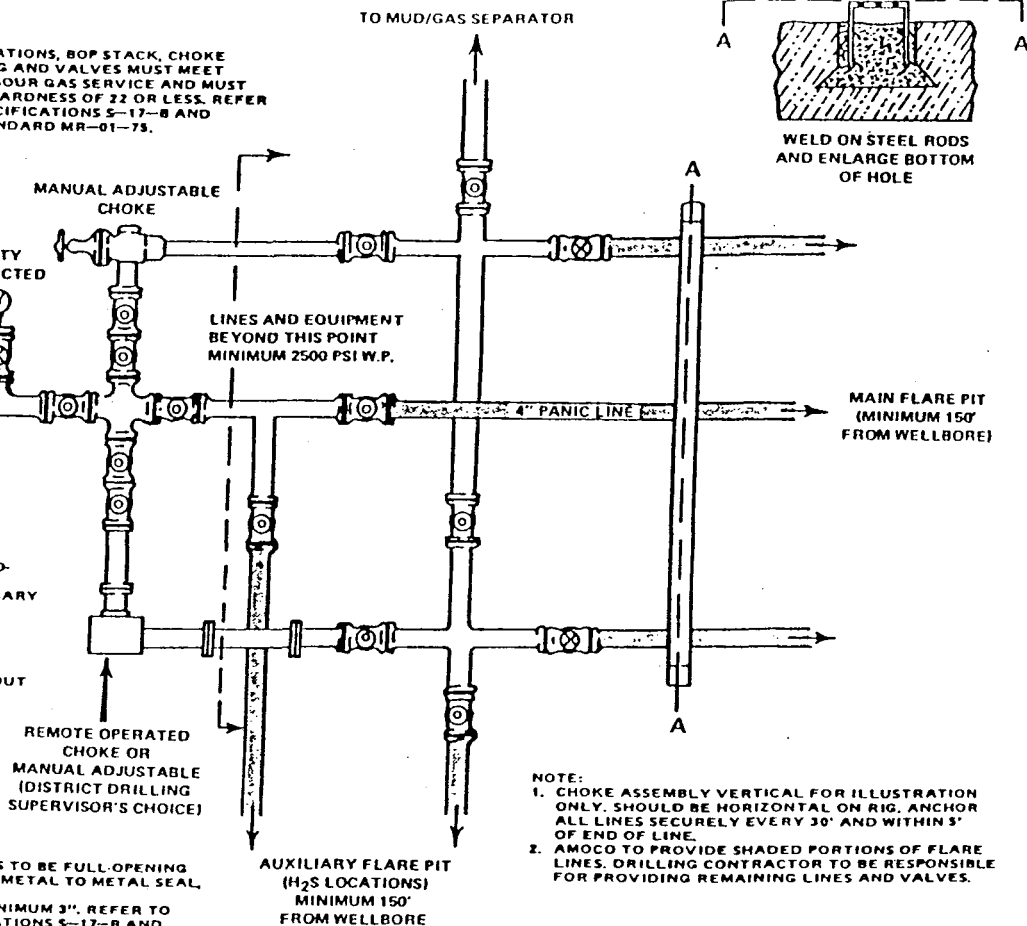
FOR ALL AMOCO LOCATIONS, BOP STACK, CHOKE MANIFOLD, ALL PIPING AND VALVES MUST MEET REQUIREMENTS FOR SOUR GAS SERVICE AND MUST TEST TO ROCKWELL HARDNESS OF 22 OR LESS. REFER TO ENGINEERING SPECIFICATIONS S-17-B AND S-28-A OR NACE STANDARD MR-01-75.

### NOTE:

DRILLING CONTRACTOR TO PROVIDE DOUBLE STUD ADAPTERS AND SPACER SPOOLS AS NECESSARY TO NIPPLE UP STACK TO AMOCO WELLHEAD (BRADEN HEAD OR CASING SPOOL). DRILLING CONTRACTOR ALSO TO PROVIDE HEATED CHOKE HOUSE WITH SUFFICIENT AREA TO CHANGE OUT COMPONENTS EASILY.

### NOTE:

1. ALL UNMARKED VALVES TO BE FULL-OPENING GATE OR PLUG VALVES, METAL TO METAL SEAL, 5000 PSI W.P.
2. ALL UNMARKED PIPE MINIMUM 3", REFER TO ENGINEERING SPECIFICATIONS S-17-B AND S-28-A AND NACE STANDARD MR-01-75 FOR APPROVED GRADES.
3. ALL WELDS MUST BE HEAT TREATED ACCORDING TO ENGINEERING SPECIFICATION S-28-A OR NACE STANDARD MR-01-75.



### NOTE:

1. CHOKE ASSEMBLY VERTICAL FOR ILLUSTRATION ONLY. SHOULD BE HORIZONTAL ON RIG. ANCHOR ALL LINES SECURELY EVERY 30' AND WITHIN 5' OF END OF LINE.
2. AMOCO TO PROVIDE SHADED PORTIONS OF FLARE LINES. DRILLING CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING REMAINING LINES AND VALVES.

Surface owner  
Howard Hatch  
Bountiful livestock

ONSITE PREDRILL INSPECTION FORM

COMPANY Amoco WELL NO. A.R.E. W20-03

LOCATION: SECTION 17 TOWNSHIP 4N RANGE 8E COUNTY Summit

LEASE NO. Free ONSITE INSPECTION DATE 3-11-88

(A) PERSONS IN ATTENDANCE Bruce Miller & Walter Shoeffler  
w/ Amoco and Brad Hill & Frank Matthews

(B) SURFACE FORMATION AND CHARACTERISTICS Rocky soil and  
SANDSTONE outcrops

(C) BRIEF DESCRIPTION OF VEGETATION SAGE, RABBIT BRUSH, GRASS,  
AND SIBRESS<sup>(SP)</sup> berry bushes

(D) ARCHAEOLOGICAL CLEARANCE: YES OR NO N

(E) DESCRIPTION OF TOPOGRAPHY (drainages, slope, roads, etc.) Knoll w/  
sloping sides on North & South.

(F) CONDITIONS FOR APPROVAL:

PIT LINING (YES OR NO) Y

TYPE OF LINING IF NEEDED

PLASTIC (10 mil)

ADDITIONAL REQUIREMENTS

SIGNATURE

Frank Matthews  
Brad Hill

TITLE

Oil & Gas Specialist

# FILING FOR WATER IN THE STATE OF UTAH

Rec. by \_\_\_\_\_

Fee Rec. \_\_\_\_\_

Receipt # \_\_\_\_\_

Microfilmed \_\_\_\_\_

Roll # \_\_\_\_\_

## APPLICATION TO APPROPRIATE WATER

### TEMPORARY

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

WATER USER CLAIM NO. 21 - 1578

APPLICATION NO. T62699

1. PRIORITY OF RIGHT: July 16, 1987

FILING DATE: July 16, 1987

2. OWNER INFORMATION

Name: Amoco Production Company

Address: P. O. Box 829, Evanston, WY 82930

The land is not owned by the applicant(s), see explanatory.

3. QUANTITY OF WATER: 0.1 cubic feet per second (CFS)

4. SOURCE: Underground Water Well DRAINAGE: Bear River-Summit County

POINT(S) OF DIVERSION: COUNTY: Summit

(1) S. 1603 feet, E. 401 feet, from the NW Corner of Section 21,

Township 4 N, Range 8 E, SLB&M

Description of Diverting Works: 6 inch diameter well 900 ft.

COMMON DESCRIPTION:

5. NATURE AND PERIOD OF USE

Oil Exploration From July 1 to July 1.

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Completion operations of oils/gas wells.

Water will be used from 07/01/1987 to 07/01/1988.

7. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

| TOWN  | RANGE | SEC | North East Quarter |                  |                  |                  | North West Quarter |                  |                  |                  | South West Quarter |                  |                  |                  | South East Quarter |                  |                  |                  |
|-------|-------|-----|--------------------|------------------|------------------|------------------|--------------------|------------------|------------------|------------------|--------------------|------------------|------------------|------------------|--------------------|------------------|------------------|------------------|
|       |       |     | NE $\frac{1}{4}$   | NW $\frac{1}{4}$ | SW $\frac{1}{4}$ | SE $\frac{1}{4}$ | NE $\frac{1}{4}$   | NW $\frac{1}{4}$ | SW $\frac{1}{4}$ | SE $\frac{1}{4}$ | NE $\frac{1}{4}$   | NW $\frac{1}{4}$ | SW $\frac{1}{4}$ | SE $\frac{1}{4}$ | NE $\frac{1}{4}$   | NW $\frac{1}{4}$ | SW $\frac{1}{4}$ | SE $\frac{1}{4}$ |
| 3 N   | 7 E   | 1   | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 3 N   | 7 E   | 2   | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 3 N   | 7 E   | 11  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| ✓ 3 N | 7 E   | 12  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 3 N   | 8 E   | 6   | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 4 N   | 7 E   | 24  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 4 N   | 7 E   | 25  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 4 N   | 7 E   | 35  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 4 N   | 7 E   | 36  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 4 N   | 8 E   | 19  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| ✓ 4 N | 8 E   | 20  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 4 N   | 8 E   | 21  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 4 N   | 8 E   | 28  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 4 N   | 8 E   | 29  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |
| 4 N   | 8 E   | 30  | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                | X                  | X                | X                | X                |

Continued on next page.

RECEIVED

AUG 3 1987

DIVISION OF OIL  
GAS & MINING

Appropriate

Form 197 2 MAR 30 1988

TEMPORARY

Application No. T 63125

21 - 1584

MAR 28 1988

APPLICATION TO APPROPRIATE WATER  
STATE OF UTAH

SALT LAKE

NOTE: The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒

2. The name of the applicant is AMOCO PRODUCTION COMPANY

3. The Post Office address of the applicant is P. O. BOX 829, EVANSTON, WYOMING 82930

4. The quantity of water to be appropriated 0.1 second-feet and/or 10 acre-feet

5. The water is to be used for oil/gas drilling & completion operations from 3 (Month) - 1 (Day) to 3 (Month) - 1 (Day)

other use period from (Month) (Day) to (Month) (Day)

and stored each year (if stored) from (Month) (Day) to (Month) (Day)

6. The drainage area to which the direct source of supply belongs is (Leave Blank)

7. The direct source of supply is\* underground water (Name of stream or other source)

which is tributary to, tributary to

\*Note.-Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Summit County, situated at a point\* S. 1603 feet, E. 401 feet, from the NW Corner of Section 21, Township 4 N, Range 8 E, SLB&M

\*Note.-The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of 6 inch water well approximately 900 feet deep with pump.

10. If water is to be stored, give capacity of reservoir in acre-feet height of dam area inundated in acres legal subdivision of area inundated

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:

Total Acres

12. Is the land owned by the applicant? Yes No X If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes No X If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity.

15. If application is for mining, the water will be used in Mining District at the mine, where the following ores are mined

16. If application is for stockwatering purposes, number and kind of stock watered

17. If application is for domestic purposes, number of persons, or families

18. If application is for municipal purposes, name of municipality

19. If application is for other uses, include general description of proposed uses Drilling and Completion of oil/gas wells.

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Section 17, T4N, R8E, Section 9, T4N, R8E, and no well Section 20, T4N, R8E

21. The use of water as set forth in this application will consume 0.1 second-feet and/or acre-feet of water and 0 second feet and/or acre feet will be returned to the natural stream or source at a point described as follows:

43-043-30286-Dr. 43-043-30291-Dr.

STATE ENGINEER'S ENDORSEMENT

WATER RIGHT NUMBER: 21 - 1584

APPLICATION NO. T63125

1. March 9, 1988      Application received.
  2. March 22, 1988      Application designated for APPROVAL by RMF and KIJ.
  3. Comments:
- 
- 

Conditions:

This application is hereby APPROVED, dated March 25, 1988, subject to prior rights and this application will expire on March 25, 1989.

  
Robert L. Morgan, P.E.  
State Engineer

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

The surface ownership for Sections 9 & 17 T4N, R8E is  
Bountiful Livestock Company

The surface ownership for Section 20, T4N, R8E is  
Anschutz Corporation

Amoco proposes to drill a well with the surface location in the  
S/2 of Section 17 or the N/2 of Section 20. Negotiations are in  
process with the landowners.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which  
can be beneficially used for the purpose herein described

*Walter L. Shopper*

Signature of Applicant\*

\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, }  
County of..... } ss

On the ..... day of ....., 19....., personally appeared before me, a  
notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States,  
or has declared his intention to become such a citizen.

My commission expires:

(SEAL)

Notary Public

1111111111

031521

OPERATOR Amoco Production Co. DATE 3-11-88WELL NAME Arnschütz Ranch East Unit W20-03SEC (Suf) SE SW 17 T 4 N R 8 E COUNTY Summit(BHL) NW NW 20

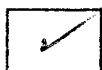
43-043-30291

API NUMBER

Free

TYPE OF LEASE

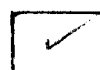
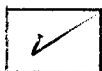
CHECK OFF:



PLAT



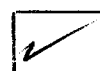
BOND

NEAREST  
WELL

LEASE



FIELD

POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

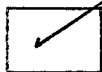
Unit Well -Med water permit

3/15/88

Called to Walt  
Shaffer re: pit lining.  
JRB approved lining  
w/ 6 mil instead  
of 10 mil.

APPROVAL LETTER:

SPACING:



R615-2-3

Arnschütz Ranch E  
UNIT

CAUSE NO. &amp; DATE

STIPULATIONS:

1- Water2- Bond stip.3- Dir. drill

4. The reserve pit shall be lined with a tear-resistant plastic liner with a minimum thickness of 10 mil.

0218T

031521

OPERATOR Amoco Production Co. DATE 3-11-88WELL NAME Arachuty Ranch East Unit W20-03SEC (Suf) 17 T 4 N R 8 E COUNTY Summit(BHL) NW NW 20

43-043-30291

API NUMBER

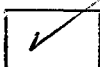
Free

TYPE OF LEASE

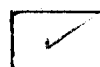
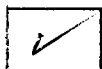
CHECK OFF:



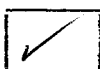
PLAT



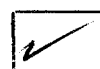
BOND

NEAREST  
WELL

LEASE



FIELD



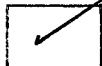
"

PROCESSING COMMENTS:

Unit Well -Med water permit

APPROVAL LETTER:

SPACING:



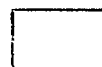
R615-2-3

Arachuty Ranch East  
UNIT

R615-3-2



CAUSE NO. &amp; DATE



R615-3-3

STIPULATIONS:

1- Water2- Bond stip.3- Dir. drill4. The reserve pit shall be lined with a tear-resistant plastic liner with a minimum thickness of 10 mil.

0218T



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 14, 1988

Amoco Production Company  
P. O. Box 829  
Evanston, Wyoming 82930

Gentlemen:

Re: Anschutz Ranch East Unit W20-03 - Summit County, Utah  
(Surf.) SE SW Sec. 17, T. 4N, R. 8E - 643' FSL, 1808' FWL  
(BHL) NW NW Sec. 20, 120' FNL, 2420' FWL

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule R615-2-3, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.
2. Amoco Production Company, as designated operator, is the bonded principal on this Application for Permit to Drill. Should this designation change, or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by a letter of a new bonded principal in reference to this application.
3. Submittal of directional drilling data upon completion of drilling operations to properly ascertain the location of the producing formation.
4. The reserve pit shall be lined with a tear-resistant plastic liner with a minimum thickness of 10 mil.

In addition, the following actions are necessary to fully comply with this approval:

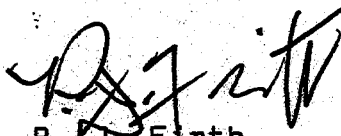
1. Spudding notification to the Division within 24 hours after drilling operations commence.

Page 2  
Amoco Production Company  
Anschutz Ranch East Unit W20-03  
March 14, 1988

2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-043-30291.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals  
D. R. Nielson  
8159T

Surface owner  
Howard Hatch  
Beautiful livestock

ONSITE PREDRILL INSPECTION FORM

COMPANY Amoco WELL NO. A.R.E. W20-03

SE/SW  
LOCATION: SECTION 17 TOWNSHIP 4N RANGE 8E COUNTY Summit

LEASE NO. Free ONSITE INSPECTION DATE 3-11-88

(A) PERSONS IN ATTENDANCE Bruce Miller + Walter Shoeffler  
w/ Amoco and Brad Hill + Frank Matthews

(B) SURFACE FORMATION AND CHARACTERISTICS Rocky soil and  
SAND stone outcrops

(C) BRIEF DESCRIPTION OF VEGETATION SAGE, RABBIT BRUSH, GRASS,  
AND SIBRESS<sup>(SP)</sup> berry bushes

(D) ARCHAEOLOGICAL CLEARANCE: YES OR NO N

(E) DESCRIPTION OF TOPOGRAPHY (drainages, slope, roads, etc.) Knoll w/  
sloping sides on North + South.

(F) CONDITIONS FOR APPROVAL:

PIT LINING (YES OR NO) Y  
TYPE OF LINING IF NEEDED PLASTIC (10 mil)

ADDITIONAL REQUIREMENTS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE: Matthews TITLE OIL + GAS SPECIALIST

DIVISION OF OIL, GAS AND MINING

040407

*Dr.*

SPUDDING INFORMATION

API #43-043-30291

NAME OF COMPANY: AMOCO

WELL NAME: ANSCHUTZ RANCH EAST UNIT W20-03  
(SURF:) SE SW 17

SECTION (BHL) NW NW 20 TOWNSHIP 4N RANGE 8E COUNTY SUMMIT

DRILLING CONTRACTOR NOBLE

RIG # 132

SPUDDED: DATE 4-2-88

TIME 3:30 AM

How Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Craig Griffin

TELEPHONE 41 \_\_\_\_\_

DATE 4-2-88 SIGNED Frank Matthews

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPLICATE\*  
(Other instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|   |  |   |
|---|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>Fee <u>DM.</u>                 |
| 2. NAME OF OPERATOR<br>AMOCO PRODUCTION COMPANY   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                  |
| 3. ADDRESS OF OPERATOR<br>P. O. BOX 829, EVANSTON, WYOMING 82930  |  | 7. UNIT AGREEMENT NAME<br>Anschutz Ranch East                         |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)<br>At surface<br>SFC 1808' FWL & 643' FSL Sec. 17, T4N, R8E<br>BHL 2340' FWL & 180' FNL Sec. 20, T4N, R8E |  | 8. FARM OR LEASE NAME<br>W20-03                                       |
| 14. PERMIT NO.<br>43-043-30291  |  | 9. WELL NO.<br>W20-03   |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>7492' GR  |  | 10. FIELD AND POOL, OR WILDCAT<br>Nugget                              |
|   |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 17, T4N, R8E |
|   |  | 12. COUNTY OR PARISH<br>Summit  |
|   |  | 13. STATE<br>Utah   |

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

|  |   |
|--|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         |
| (Other) <input type="checkbox"/>             |   |

### SUBSEQUENT REPORT OF:

|  |   |
|--|---|
| WATER SHUT-OFF <input type="checkbox"/>        | REPAIRING WELL <input type="checkbox"/>       |
| FRACTURE TREATMENT <input type="checkbox"/>    | ALTERING CASING <input type="checkbox"/>      |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/>         |
| (Other) <input type="checkbox"/>               | Report of operations <input type="checkbox"/> |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Revised BHL from 2420' FWL & 120' FNL to 2340' FWL & 180' FNL

Approved Water Permit #21-1584 (T63125)  
March 25, 1988 through March 25, 1989

Spud Date: 04-02-88 at 0330 hrs

Set 20" casing from 331' to surface

Drilling Contractor: Noble 132 - Drilling ahead

18. I hereby certify that the foregoing is true and correct

SIGNED Walter L. Shaffer

TITLE District Drilling Supervisor DATE 4-4-88

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions on Reverse Side

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT **DUPLICATE\***  
(Other instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.)

|   |  |   |  |
|---|--|---|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>Fee <u>Dr.</u>                 |  |
| 2. NAME OF OPERATOR<br>AMOCO PRODUCTION COMPANY   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                  |  |
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| 14. PERMIT NO.<br>43-043-30291  |  | 9. WELL NO.<br>W20-03   |  |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>7492' GR  |  | 10. FIELD AND POOL, OR WILDCAT<br>Nugget                              |  |
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|   |  | 12. COUNTY OR PARISH<br>Summit  |  |
|   |  | 13. STATE<br>Utah   |  |

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐Report of operations ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

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March 25, 1988 through March 25, 1989

Spud Date: 04-02-88 at 0330 hrs

Set 20" casing from 331' to surface

Drilling Contractor: Noble 132 - Drilling ahead

18. I hereby certify that the foregoing is true and correct

SIGNED

*Walter L. Shaffer*

TITLE

District Drilling Supervisor

DATE

4-4-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPPLICATE\*  
(Other instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|   |  |   |
|---|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>Fee                            |
| 2. NAME OF OPERATOR<br>AMOCO PRODUCTION COMPANY   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                  |
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| 14. PERMIT NO.<br>43-043-30291  |  | 9. WELL NO.<br>W20-03   |
| 15. ELEVATIONS (Show whether DF, RT, OR, etc.)<br>7492' GR  |  | 10. FIELD AND POOL, OR WILDCAT<br>Nugget                              |
|   |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 17, T4N, R8E |
|   |  | 12. COUNTY OR PARISH<br>Summit  |
|   |  | 13. STATE<br>UT   |

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Report of Operations

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Date: 4-25-88  
Spud: 4-2-88  
Contractor: Noble #132  
Depth: 5,650'  
Bit: 12.250"  
Drilling Ahead

18. I hereby certify that the foregoing is true and correct

SIGNED

*John R. Daniels*

TITLE

Staff Administrative Supervisor

DATE

4-25-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

RECEIVED  
MAY 11 1988

DOUBLE JACK TESTING & SERVICES, INC.

B.O.P. Test Report

DIVISION OF  
OIL, GAS & MINING

B.O.P. Test Performed on (date) 4-24-'88

Oil Company Amoco

Well Name & Number ARE W20-03

Section 17

Township 2/

Range 8

County Summit County, Utah

Drilling Contractor Noble rig 132

Oil Company Site Representative Jke

Rig Tool Pusher Murray

Tested out of Evanston

Notified Prior to Test \_\_\_\_\_

Copies of This Test Report Sent to: B.L.M.

Site Rep

Utah-Dept. of Natural Resources

Division of Oil, Gas & Mining

Original Chart & Test Report on File at: Double Jack Testing,  
Evanston, Wyo

Tested by: Double Jack Testing & Services, Inc.  
108 Parkview Road  
P.O. Box 2097  
Evanston, Wyoming 82930

# Double Jack Testing & Services Inc.

P.O. Box 2097  
Evanston, Wyoming 82930  
(307) 789-9213

FIELD  
TICKET 5959

DATE April 24, 1988  
OPERATOR Amoco  
COUNTY Summit STATE UTAH

RIG NAME AND # Noble 132  
WELL NAME AND NO. ARE W-20-03  
SECTION 17 TOWNSHIP 4 RANGE 8

## EQUIPMENT TESTED

blind RAMS 3000 PSI for 15 min.  
upper pipe RAMS 3000 PSI for 15 min.  
lower pipe RAMS 3000 PSI for 15 min.  
13 5/8 ANNULAR 1500 PSI for 15 min.  
4" B.O.P. 3000 PSI for 15 min.  
2" CHOKE 3000 PSI for 15 min.  
LINE 3000 PSI for 15 min.  
KILL 3000 PSI for 15 min.  
LINE 3000 PSI for 15 min.  
UPPER 3000 PSI for 15 min.  
KELLY 3000 PSI for 15 min.  
LOWER 300 PSI for 15 min.  
KELLY 300 PSI for 15 min.  
SAFETY 3000 PSI for 15 min.  
VALVES dart & TIW 3000 PSI for 15 min.

## ADDITIONAL TESTS & COMMENTS

tested super choke to 3000 PSI for 15 min  
tested manual choke to 1000 PSI for 5 min

Set wear ring  
closed inside manual valve on Kill line  
closed inside manual valve on choke line  
shut inside valves in manifold  
flushed out manifold  
Set wear ring  
shut casing head valve

CLOSING UNIT PSI 3000 CLOSING TIME OF RAMS 2 sec HYDRIL 15 sec  
CLOSED CASING HEAD VALVE yes SET WEAR RING yes

COMPANY

LEASE AND WELL NAME #

DATE OF TEST

RIG # AND NAME

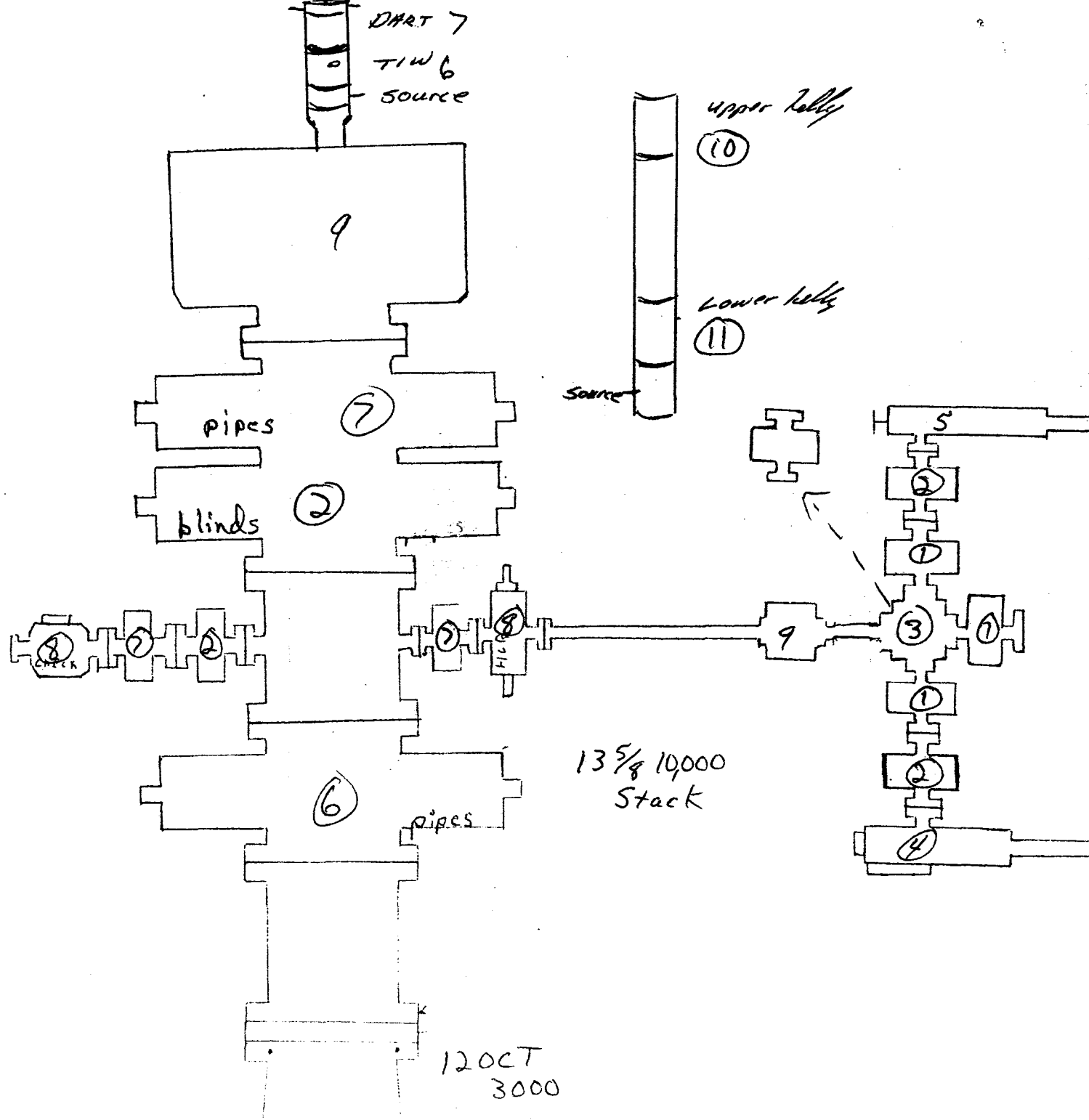
Amoco

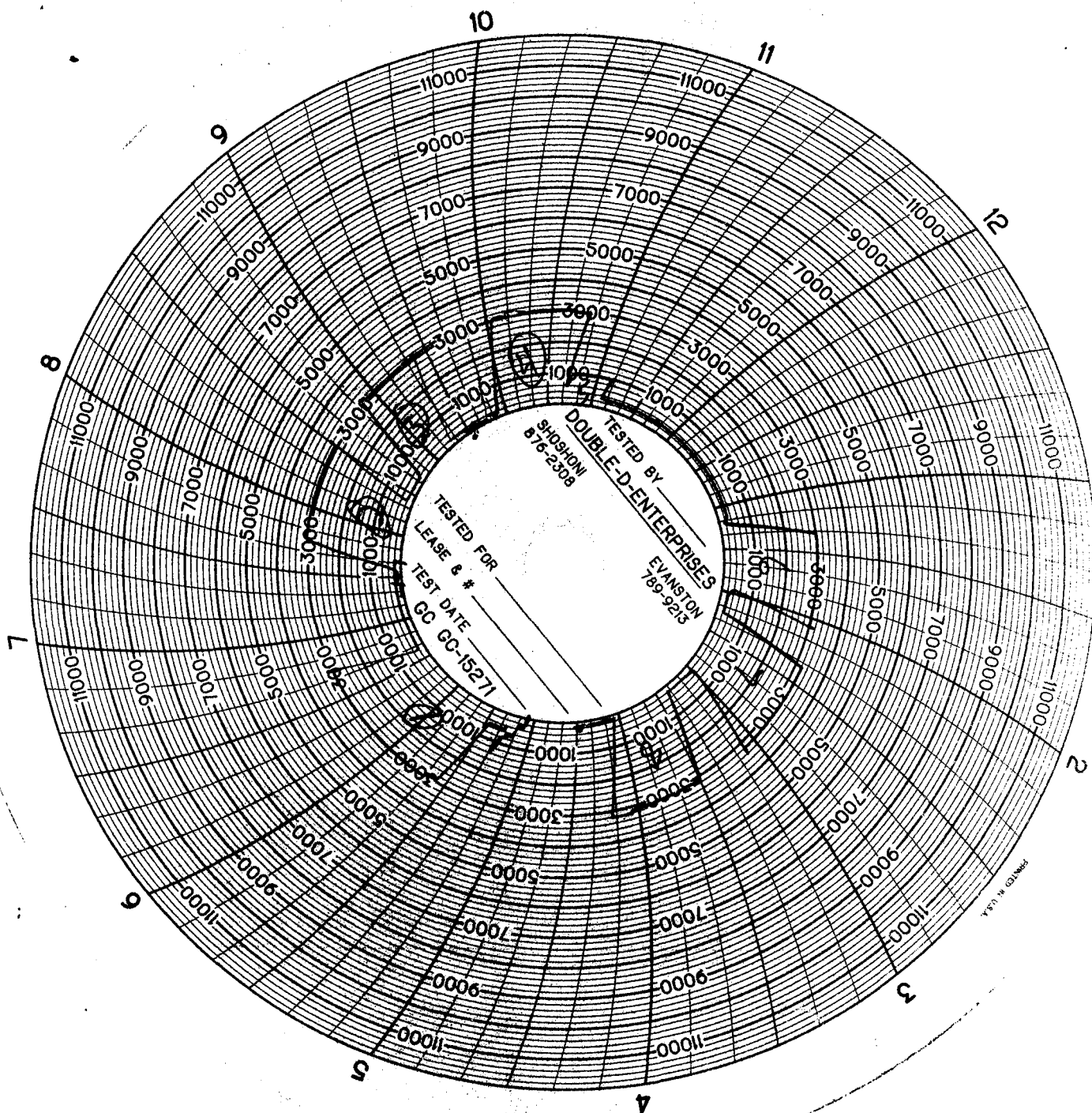
AREW-20-03

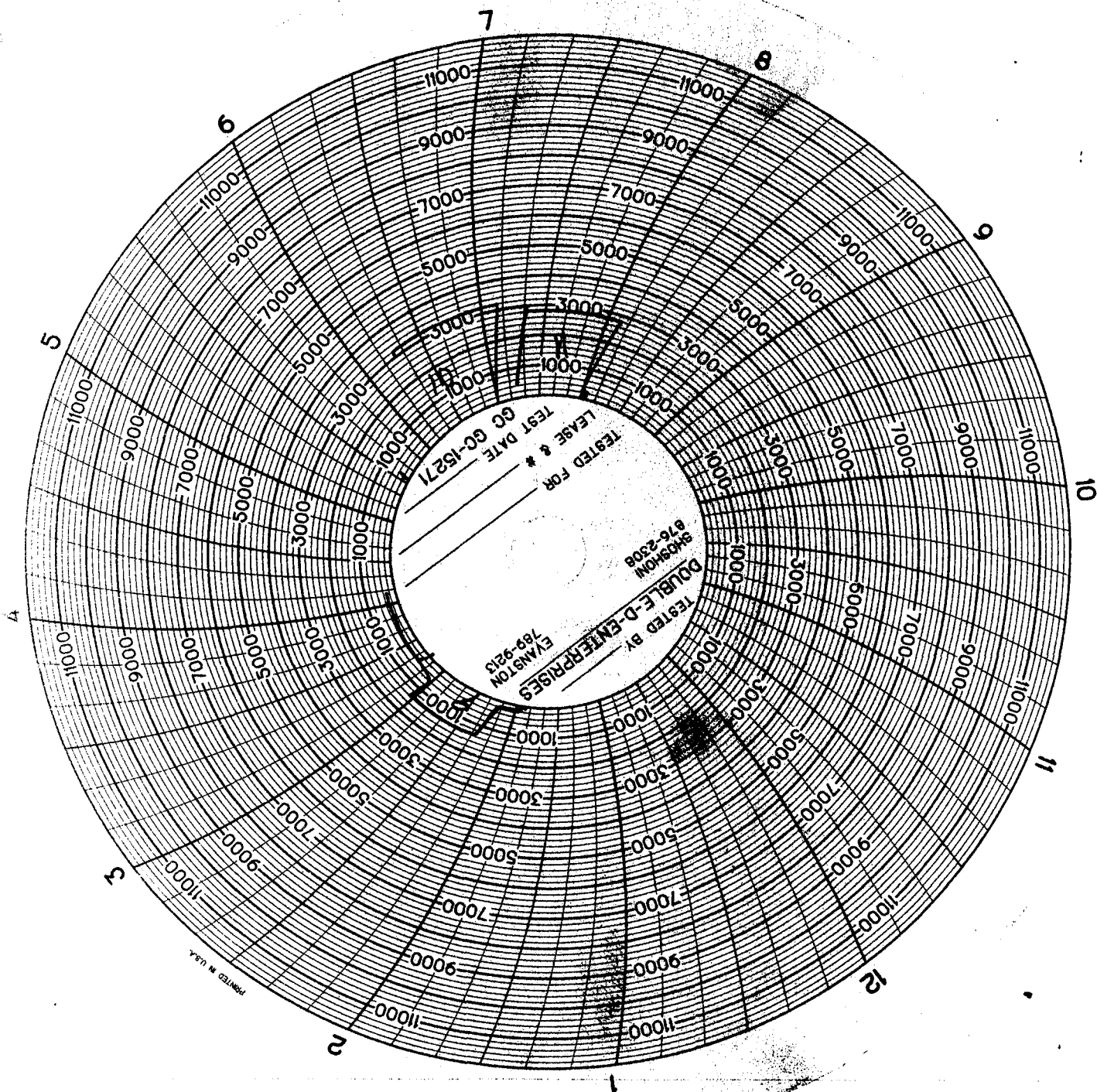
4-24-'88

Noble 132

| T# | TIME      |   |
|----|-----------|---|
| 1  | 1:05 P.m. | inside 3 manifold - 3000 PSI high for 15 min. |
| 2  | 8:55 P.m. | blinds - outside manifold valves - inside     |
|    |           | kill line valve - 3000 PSI for 15 min         |
| 3  | 9:15      | vertical valve - 3000 PSI for 15 min          |
| 4  | 9:35      | super choke - 3000 PSI for 15 min             |
| 5  | 9:55      | manual choke for 5 min. 1000 PSI              |
| 6  | 10:45     | lower pipes - TTW 3000 PSI for 15 min.        |
| 7  | 11:01     | upper pipes - inside manual on choke line     |
|    |           | dart valve - 2nd valve on kill line           |
|    |           | 3000 PSI for 15 min.                          |
| 8  | 11:20     | upper pipes - dart valve - HCR - check valve  |
|    |           | on kill line - 3000 PSI for 15 min            |
| 9  | 11:45     | Hydril - outside kill - dart valve - 1st      |
|    |           | valve in manifold 1500 PSI for 15 min         |
| 10 | 1:15 A.m. | upper Kelly to 3000 PSI for 15 min            |
| 11 | 1:31      | lower Kelly to 3000 PSI for 15 min.           |







STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|   |  |   |  |
|---|--|---|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>Fee                            |  |
| 2. NAME OF OPERATOR<br>AMOCO PRODUCTION COMPANY   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                  |  |
| 3. ADDRESS OF OPERATOR<br>P. O. BOX 829, EVANSTON, WYOMING 82930  |  | 7. UNIT AGREEMENT NAME<br>Anschutz Ranch East                         |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>SFC 1808' FWL & 643' FSL Sec. 17, T4N, R8E<br>BHL 2340' FWL & 180' FNL Sec. 20, T4N, R8E |  | 8. FARM OR LEASE NAME<br>W20-03                                       |  |
| 14. PERMIT NO.<br>43-043-30291  |  | 9. WELL NO.<br>W20-03   |  |
| 15. ELEVATIONS (Show whether DP, RT, GR, etc.)<br>7492' GR  |  | 10. FIELD AND POOL, OR WILDCAT<br>Nugget                              |  |
|   |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 17, T4N, R8E |  |
|   |  | 12. COUNTY OR PARISH<br>Summit  |  |
|   |  | 13. STATE<br>UT   |  |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 5-5-88 verbal permission was received from John Baza of the Utah Oil & Gas Conservation Commission to Reid Smith of Amoco Production Company for the following procedure:

Approximately 1500 bbls of reserve pit fluid will be hauled from the W20-03 well to the W12-04 well and disposed of down the backside.

This is a one time only procedure.

The annulus on the W12-04 well will be cemented after disposal is completed.

**COPY**

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE District Drilling Supervisor

DATE 5-5-88

(This space for Federal or State office use)

APPROVED BY

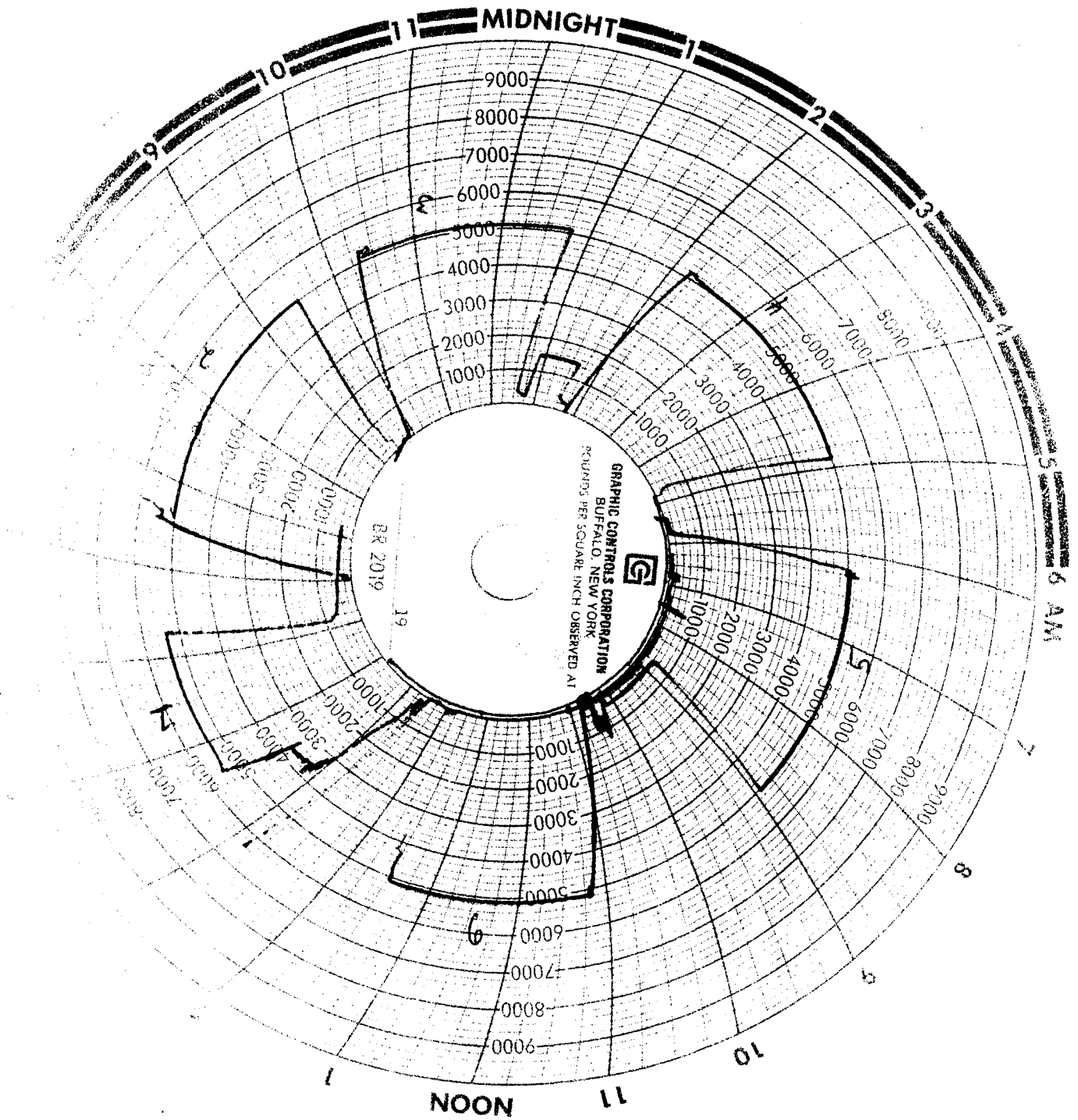
TITLE

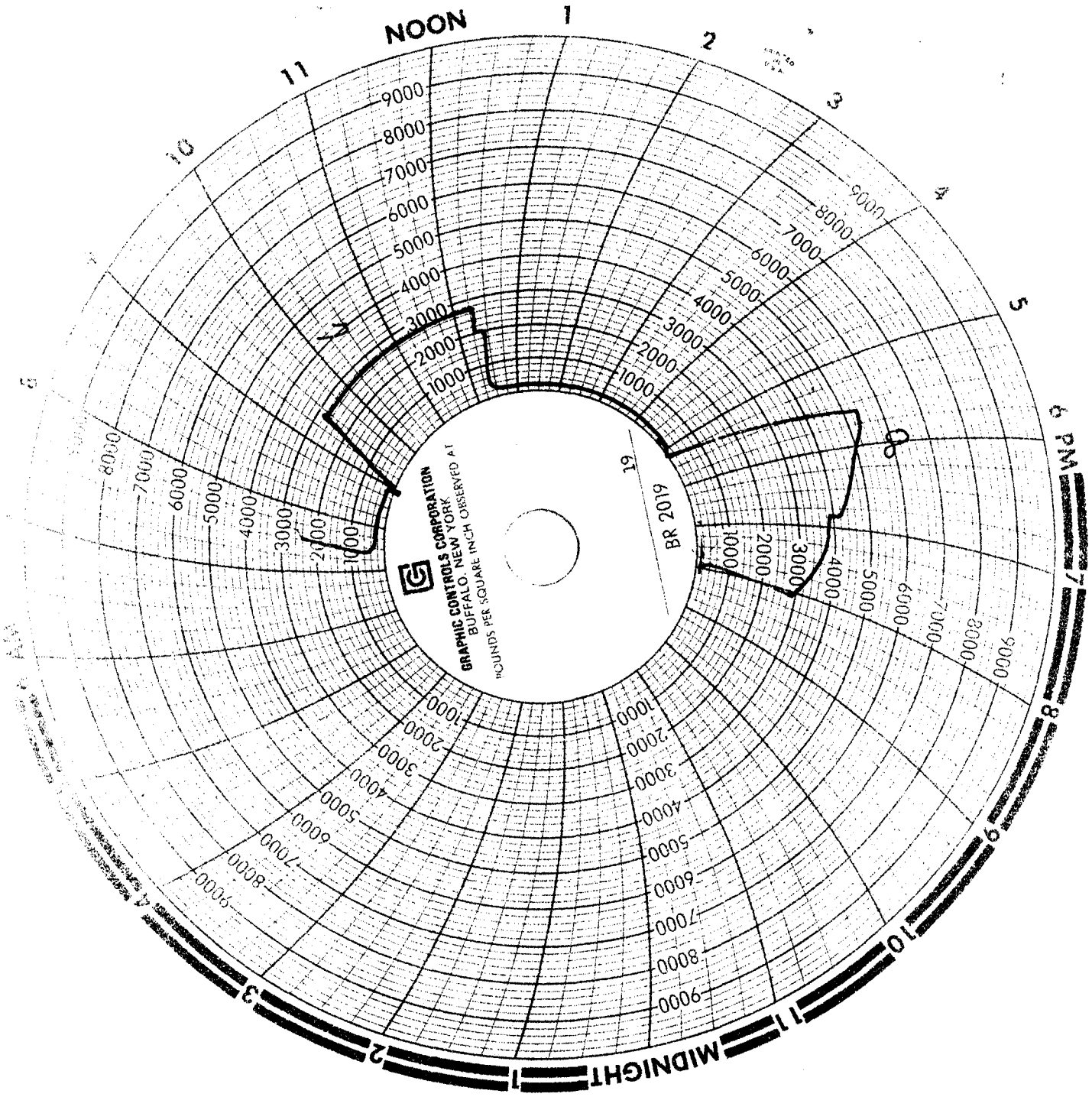
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

CONDITIONS OF APPROVAL, IF ANY:

DATE 5-10-88

\*See Instructions on Reverse Side





GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK  
POUNDS PER SQUARE INCH OBSERVED AT

BR 2019

61

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

MAY 23 1988

COPY

|  |  |   |                 |
|--|--|---|-----------------|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>Fee                            |                 |
| 2. NAME OF OPERATOR<br>AMOCO PRODUCTION COMPANY  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                  |                 |
| 3. ADDRESS OF OPERATOR<br>P. O. BOX 829, EVANSTON, WYOMING 82930 DIV. OIL, GAS, MINING   |  | 7. UNIT AGREEMENT NAME<br>Anschutz Ranch East                         |                 |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.<br>See also space 17 below.)<br>At surface<br>SFC 1808' FWL & 643' FSL Sec. 17, T4N, R8E<br>BHL 2340' FWL & 180' FNL Sec. 20, T4N, R8E |  | 8. FARM OR LEASE NAME<br>W20-03                                       |                 |
| 14. PERMIT NO.<br>43-043-30291   |  | 9. WELL NO.<br>W20-03   |                 |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>7492' GR   |  | 10. FIELD AND POOL, OR WILDCAT<br>Nugget                              |                 |
|  |  | 11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA<br>Sec. 17, T4N, R8E |                 |
|  |  | 12. COUNTY OR PARISH<br>Summit  | 13. STATE<br>UT |

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
(Other) ☐

PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
ABANDON\* ☐  
CHANGE PLANS ☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(Other) ☐

REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On 5/19/88, verbal permission was recieved from John Baza of the Utah Oil, Gas & Minerals Division by K. W. Armstrong of Amoco Production Co. for the following:

Construction of a secondary reserve pit of approximately 6000 bbls capacity. This is necessary due to an already high level in the primary reserve pit.

A 6 mil pit liner will be utilized in the secondary pit, as was installed in the primary pit.

John Baza will be notified (Office 801-538-5340, Home 801-298-7695) so an inspector may be present when construction begins.

COPY

18. I hereby certify that the foregoing is true and correct

SIGNED Walter L. Shaffer

TITLE Dist Drilling Supervisor

DATE 5-19-88

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 5-17-88

BY: [Signature]

\*See Instructions on Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
BOPE TEST INSPECTION FORM

COMPANY: Double Jack Testing REPRESENTATIVE: Mark Bynum

WELL NAME: ARE W20-03 API# 43-043-30291

QTR/QTR SE/SW SECTION 17 WELLSIGN y TWP 4N RANGE 8E

INSPECTOR: Frank Matthews DATE: 5-24-88

DRILLING CONTRACTOR Noble Drilling Co. RIG # N-132

RIG OPERATIONS: POH for bit change & Test BOPE

DEPTH 10845 LAST CASING 13 3/8 @

TEST BY Independent WATER w/methanol MUD

PRESSURE RATING OF STACK 13 3/8 10,000 psi H2S RATED ✓

TEST PRESSURES 3000 /  KELLYCOCK: UPPER ✓ LOWER ✓

INSIDE BOP ✓ FULL OPENING VALVE ON FLOOR ✓

WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR ✓

STACK - LISTED AS ARRANGED - TOP TO BOTTOM:

1. Annular
2. Blind Rams
3. Pipe Rams
4. Nulling Spool
5. Pipe Rams
6. Spacer Spool 12" 3000'

ADDITIONAL COMMENTS: Test for 15 min @ 3000 psi except annular  
tested 1500 psi for 15 min. Last Survey 10779 6 1/4' S35E

REPORTED BY: Ike Norwood PHONE:

DATE: 5-24-88 SIGNED: FM Matthews

DOUBLE JACK TESTING & SERVICES, INC.

B.O.P. Test Report

RECEIVED  
JUN 6 1988

DIVISION OF  
OIL, GAS & MINING

B.O.P. Test Performed on (date) May 24, 1988  
Oil Company Amoco  
Well Name & Number ARE W-20-03  
Section 17  
Township 4  
Range 8  
County Summit  
Drilling Contractor Noble  
Oil Company Site Representative Ike  
Rig Tool Pusher Murray  
Tested out of Evanston, Wyo  
Notified Prior to Test \_\_\_\_\_  
Copies of This Test Report Sent to: B.L.M.

Site Rep.

Utah-Dept. of Natural Resources  
Division of Oil, Gas, & Mining

Original Chart & Test Report on File at: Double Jack Testing  
Office, Evanston Wyo

Tested by: Double Jack Testing & Services, Inc.  
108 Parkview Road  
P.O. Box 2097  
Evanston, Wyoming 82930

# Double Jack Testing & Services Inc.

P.O. Box 2097

Evanston, Wyoming 82930

(307) 789-9213

FIELD TICKET 5856

DATE May 24, 1988

OPERATOR

Amoco

COUNTY

Summit

STATE

Utah

SECTION

17

RIG NAME AND #

Noble 132

WELL NAME AND NO.

ARE W-20-03

TOWNSHIP

4

RANGE

8

## EQUIPMENT TESTED

|                       |                                    |
|-----------------------|------------------------------------|
| blind RAMS            | 3000 PSI for 15 min.               |
| upper pipes RAMS      | 3000 PSI for 15 min.               |
| lower pipes RAMS      | 3000 PSI for 15 min.               |
| 13 3/8 ANNULAR B.O.P. | 1500 PSI for 15 min.               |
| 4" CHOKE LINE         | 3000 PSI for 15 min.               |
| 2" KILL LINE          | 3000 PSI for 15 min.               |
| UPPER KELLY           | 3000 PSI for 15 min.               |
| LOWER KELLY           | 3000 PSI for 15 min.               |
| SAFETY VALVES         | dart & T.I.W. 3000 PSI for 15 min. |

## ADDITIONAL TESTS & COMMENTS

tested super choke at 3000 PSI for 15 min  
 tested manual choke to 1000 PSI for 5 min

Set wear ring  
 closed inside manual on kill & choke line  
 shut inside valves on manifold  
 shut casing head valve

CLOSING UNIT PSI 3000 CLOSING TIME OF RAMS 7 sec HYDRIL 14 sec  
 CLOSED CASING HEAD VALVE yes SET WEAR RING yes  
 RATES 8 min 2 sec 1 min 1 sec 2 min 1 sec

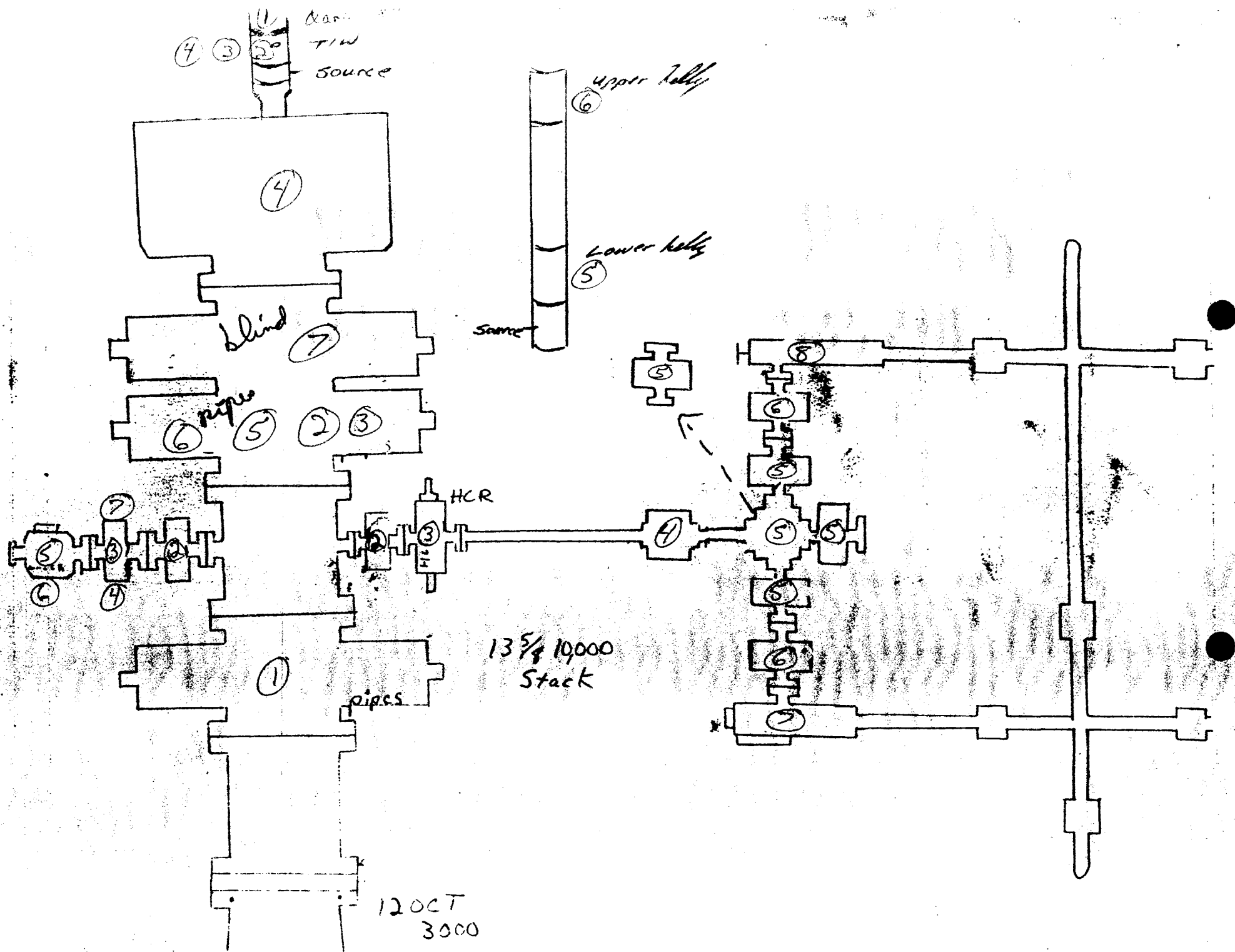
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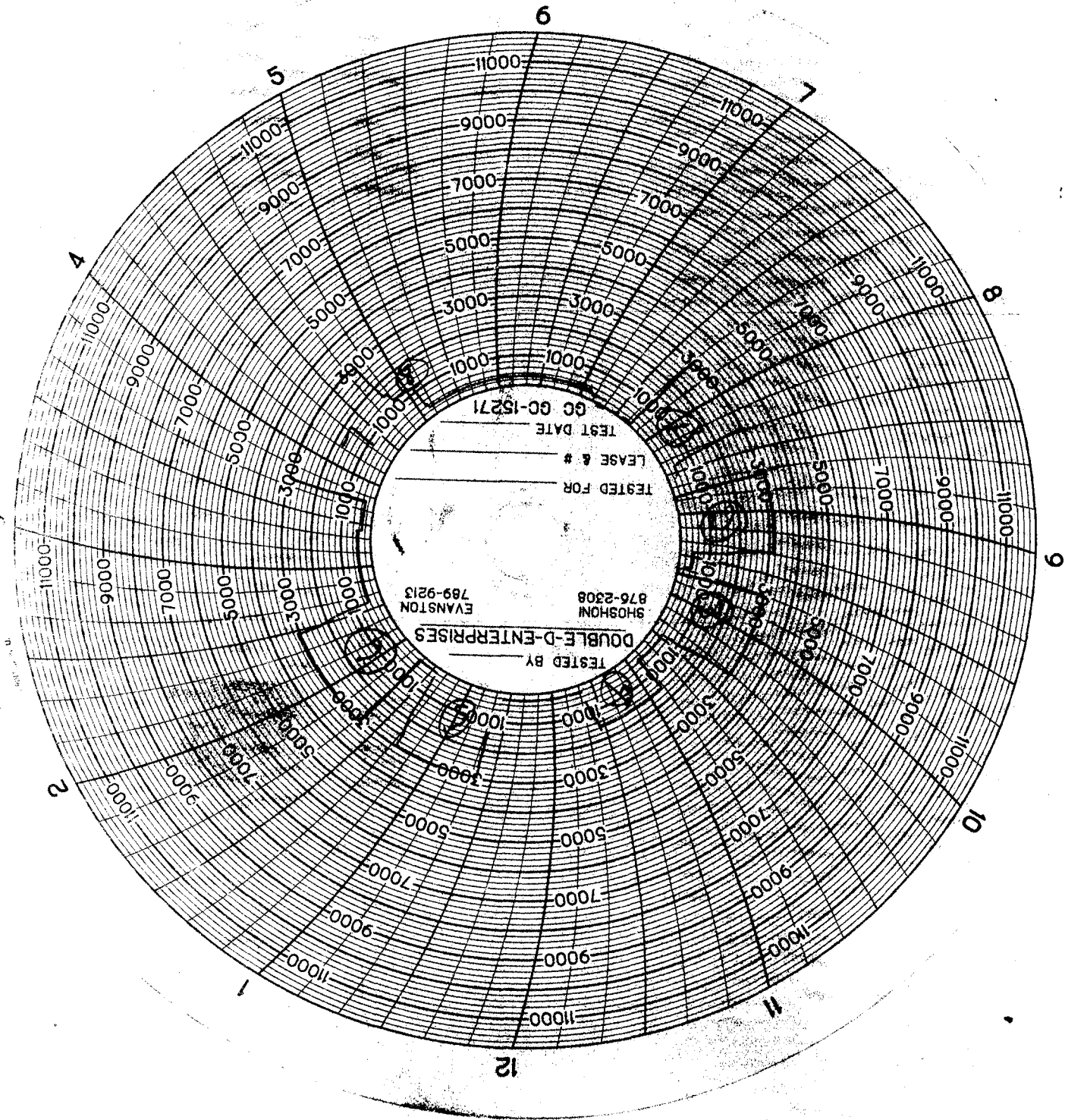
ARE W-20-03

May 2

Woble 132

| # | TIME     |   |
|---|----------|---|
| 1 | 11:00 AM | Pull wear ring - rig up floor valves on joint of pipe & set plug  |
| 2 | 1:07     | Test lower pipe rams & dart valve to 3000 PSI for 15 min.   |
| 3 | 1:25     | Test upper pipes - TIW valve - inside kill line valve & inside manual on choke line to 3000 PSI for 15 min.             |
| 4 | 1:45     | Test upper pipe rams, TIW, 2nd manual valve on kill line & HCR (Hydraulic) valve on choke line to 3000 PSI for 15 min.  |
| 5 | 2:10     | Test Hydril - TIW - 2nd kill line valve 1st valve in manifold to 1500 PSI for 15 min.                                   |
| 6 | 2:45     | test lower Kelly - top pipes - check valve on kill line - inside 3 manifold valves & riser valve - 3000 PSI for 15 min. |
| 7 | 3:07     | upper Kelly - top pipes - check valve - next 2 valves on manifold - 3000 PSI for 15 min.                                |
| 8 | 3:48     | Test blind rams - super choke - inside kill   |
| 9 | 4:13     | Test manual choke to 1000 PSI for 5 min.  |





- B.O.P. Testing
- B.O.P. Nipple Up
- B.O.P. Lifts
- B.O.P. Rental Eq.

# Double Jack Testing & Services Inc.

# 1 Since 1978

P.O. Box 2097

Evanston, Wyoming 82930

(307) 789-9213

DATE

6-12-88

RIG NAME AND #

Noble 132

OPERATOR

WELL NAME AND NO.

Amoco

ARE W 20-03

COUNTY

STATE

SECTION

TOWNSHIP

RANGE

Summit

UTah

17

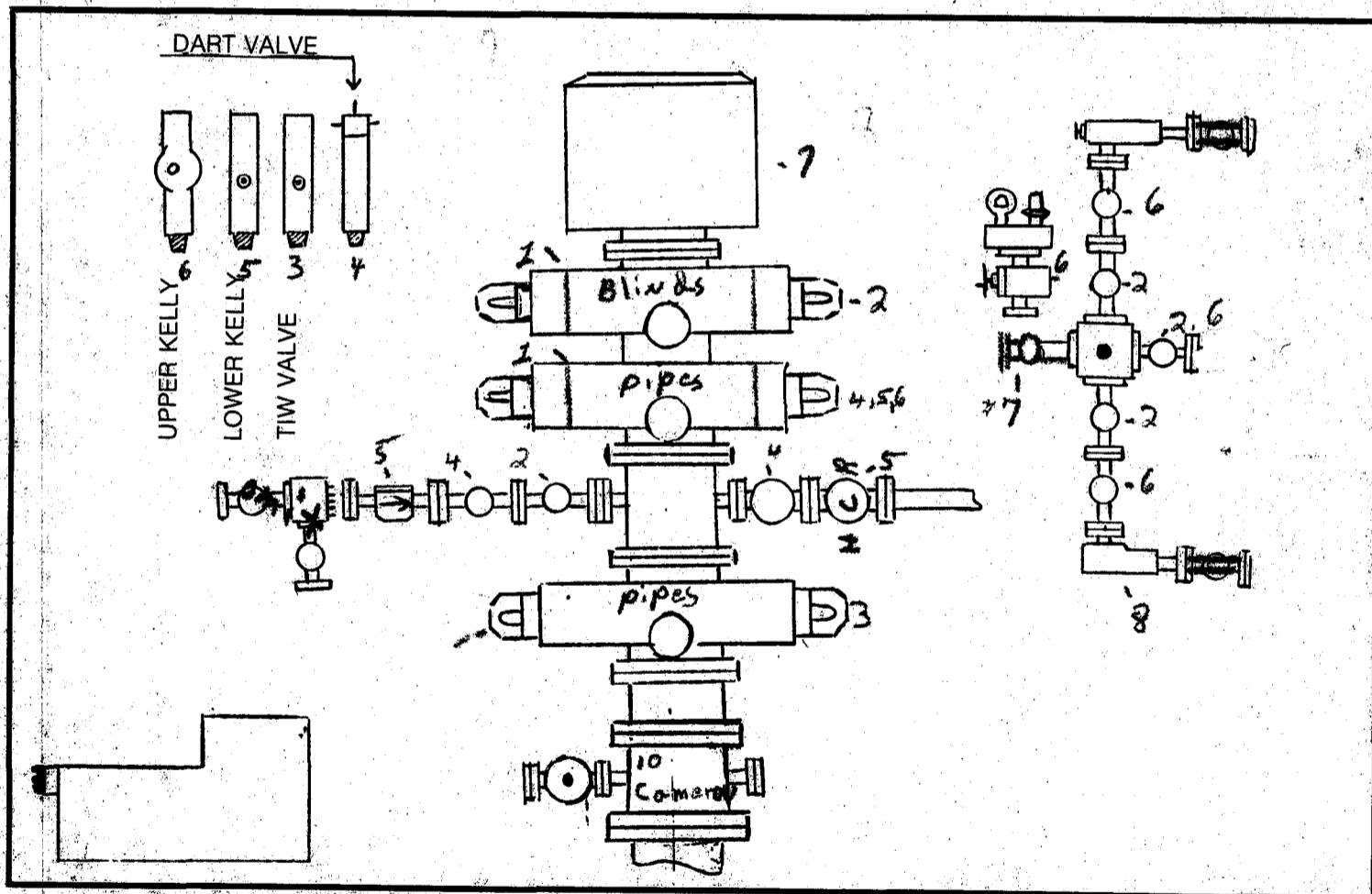
4

8

## EQUIPMENT TESTED

pipe U. RAMS 5000 ps. 15 min. (changed ram door gasket)  
 p.p. RAMS 5000 ps. 15 min.  
 Blind RAMS 5000 ps. 15 min. (tightened ram door)  
 ANNULAR B.O.P. 2500 ps. 15 min.  
 CHOKE LINE 5000 ps. 15 min.  
 KILL LINE 5000 ps. 15 min.  
 UPPER KELLY 5000 ps. 15 min.  
 LOWER KELLY 5000 ps. 15 min.  
 SAFETY VALVES 5000 ps. 15 min. (TIW valve is loose h. with pressure to seal)  
 CHOKE MANIFOLD 5000 ps. 15 min.  
 SUPER CHOKE pressured up to 5000 ps.

## ADDITIONAL TESTS & COMMENTS



## ACCUMULATOR TEST

TYPE Hydraulic CONTROLS LABELED CORRECTLY yes  
 NITROGEN BACK-UP yes PSI AIR 120 ELECTRIC yes  
 REMOTE on floor BLIND GUARDS INSTALLED  
 ACCUMULATOR PRESSURE 2900 MANIFOLD PSI ANNULAR PSI  
 PUMPS OFF STARTING PSI  
 HYDRILL CLOSED ..... PSI CLOSING TIME  
 PIPES CLOSED ..... PSI CLOSING TIME  
 HCR CLOSED ..... PSI CLOSING TIME  
 PIPES OPENED ..... PSI CLOSING TIME  
 HCR OPENED ..... PSI CLOSING TIME  
 FINAL PRESSURE ACCUMULATOR RECHARGE TIME  
 ACCUMULATOR AND LINES CHECKED FOR LEAKS

STER

CO. REP.

finish up plugging up, rigged up to test

1. Leak check ~~on~~ gaskets on Blinds and pipes, change barrel gasket on pipes, tighten Blinds
2. test Blind rams, inside manifold on K.I.I., 3 manifolds on choke line
3. test Lower pipe rams, T.I.W. valve
4. test Top pipe rams, Second manifold on K.I.I. line, manifold on choke line, dart valve
5. test Top pipe rams, check valve on K.I.I. line, HCR on choke line lower Kelly
6. test Top pipes, check, Upper Kelly, ~~the~~ manifold manual valves in manifold
7. Test Hydroil manual valve in front of manifold

Set wear ring

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
BOPE TEST INSPECTION FORM

COMPANY: Amoco REPRESENTATIVE: L. Humphreys  
WELL NAME: ARE W 20-03 API# 43-043-30291  
QTR/QTR \_\_\_\_\_ SECTION 17 WELLSIGN ☒ TWP 4N RANGE 8E  
INSPECTOR: JM DATE: 6-12-88  
DRILLING CONTRACTOR Noble Drilling RIG # N132  
RIG OPERATIONS: Nipping up after running 9 5/8" csg.  
DEPTH 11850 LAST CASING 9 5/8 @ 11847  
TEST BY Double Jack Testing WATER ☒ MUD \_\_\_\_\_  
PRESSURE RATING OF STACK 10,000 H2S RATED ☒  
TEST PRESSURES 5000 / \_\_\_\_\_ KELLYCOCK: UPPER ☒ LOWER ☒  
INSIDE BOP ☒ FULL OPENING VALVE ON FLOOR ☒  
WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR ☒

STACK - LISTED AS ARRANGED - TOP TO BOTTOM:

1. Annular
2. Blind Rams
3. Pipe Rams
4. Drilling Spool
5. Pipe Rams
6. Casing Spool to King Csg.

ADDITIONAL COMMENTS: Surface csg flange  
csg put in & over 30 pulled out of hole  
replaced & over screwed onto pipe picked up weight & amt.  
Replace <sup>door</sup> Seal on upper pipe Rams had very small leak

REPORTED BY: Larry Humphreys PHONE: 307-783-2482  
DATE: 6-12-88 SIGNED: JM Matthews

(IF TESTED BY INDEPENDENT COMPANY, ATTACH COPY OF TEST)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
BOPE TEST INSPECTION FORM

COMPANY: Amoco REPRESENTATIVE: Larry Humphreys

WELL NAME: ARE W20-03 API# 43-043-30291  
4N 8E

QTR/QTR \_\_\_\_\_ SECTION 20 WELLSIGN \_\_\_\_\_ TWP \_\_\_\_\_ RANGE \_\_\_\_\_

INSPECTOR: Frank Matthews DATE: 6-12-88

DRILLING CONTRACTOR Noble Drilling RIG # N132

RIG OPERATIONS: Upgrading up after running 9 5/8" Csg

DEPTH 11847 LAST CASING 9 5/8" @ 11847

TEST BY Noble Jack Testing WATER ☒ MUD \_\_\_\_\_

Mike Ryckes  
PRESSURE RATING OF STACK 10,000 psi H2S RATED ☒

TEST PRESSURES 1 KELLYCOCK: UPPER ☒ LOWER ☒

INSIDE BOP ☒ FULL OPENING VALVE ON FLOOR ☒

WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR ☒

STACK - LISTED AS ARRANGED - TOP TO BOTTOM:

1. Annulus
2. Blind RAMS
3. Pipe RAMS
4. Drilling Spool
5. Pipe Rams
6. Csg Spool

TOC

SLs  
1st  
2nd

ADDITIONAL COMMENTS: Surface Csg flange

Csg pulled out of & over 2 1/2 down pulled out screwed in &  
BO 3 1/2 down pulled out & picked & over went back in & string  
& cemented.

REPORTED BY: Larry Humphreys PHONE: \_\_\_\_\_

DATE: 6-12-88 SIGNED: JRM attew



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 13, 1988

Amoco Production Company  
P. O. Box 829  
Evanston, Wyoming 82930

Gentlemen:

Re: Request for Completed Entity Action Form

This is written to remind you that all well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of spudding a new well. This office was notified that your company spudded the Anschutz Ranch East Unit W20-03 API Number 43-043-30291 on April 2, 1988. At this time, we have not received an Entity Action Form for this well.

Please review the instructions on the back of the enclosed form. Make sure you choose the proper Action Code to show whether the well will be a single well with its own sales facilities (Code A), a well being added to an existing group of wells having the same tank battery and common division of royalty interest (Code B - show existing Entity Number to which well should be added), or a well being drilled in the participating area of a properly designated unit (Code B). Complete the form and return it to us by June 24.

Your attention to this matter is appreciated. If we can be of assistance to you, please feel free to call.

Sincerely,

Don Staley  
Administrative Supervisor

Enclosure  
cc: D.R. Nielson  
R.J. Firth  
0682S



RECEIVED  
JUN 22 1988

LCK  
Amoco Production Company

Post Office Box 829  
Evanston, Wyoming 82930  
307-789-1700

N. E. Spencer  
District Manager

DIVISION OF  
OIL, GAS & MINING

Certified P757 435 141

June 15, 1988

State of Utah  
Division of Oil, Gas, and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: Don Staley

File: RMR-346-092.B/WF

Entity Action Form

Attached is State of Utah Division of Oil, Gas, and Mining Form 6, Entity Action Form, for Anschutz Ranch East W20-03 effective April 2, 1988.

*N. E. Spencer*  
N. E. Spencer

HRCN/pm

Attachment

| OIL AND GAS |     |
|-------------|-----|
| DRN         | RJF |
| JRB         | GLH |
| DTS         | SLS |
|             |     |
|             |     |
|             |     |
| MICROFILM ↙ |     |
| FILE        |     |

ENTITY ACTION FORM - DOGM FORM 6

OPERATOR Amoco Rocmount  
ADDRESS P. O. Box 829  
Evanston, Wyoming 82930

OPERATOR CODE N1390  
PHONE NO. 307, 789-1700

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

| ACTION CODE   | CURRENT ENTITY NO.    | NEW ENTITY NO. | API NUMBER   | WELL NAME                  | WELL LOCATION |    |    |    |        | SPUD DATE     | EFFECTIVE DATE |
|---|-----------------------|----------------|--------------|----------------------------|---------------|----|----|----|--------|---------------|----------------|
|   |                       |                |              |                            | QQ            | SC | TP | RG | COUNTY |               |                |
| B   | <del>4540</del> 99999 | 4540           | 43-043-30291 | Anschutz Ranch East W20-03 | NEW           | 20 | 4N | 8E | Summit | April 2, 1988 | April 2, 1988  |
| COMMENTS: Fee-lease Unit - Anschutz Ranch East<br>Field Anschutz Ranch East Cothen wells in sec. all producing NBSD formation entity 4540 → same operator<br>Proposed Zone - NBSD Add well to existing entity. 6/22/88 JCR  |                       |                |              |                            |               |    |    |    |        |               |                |
| COMMENTS: As per telephone conversation with Chris/Amoco, operator name for this well should be Amoco Rocmount.<br>Amoco Rocmount handles wells that are in the Anschutz Ranch East Unit. Please change ASAP. 9-8-88 JCR<br>No sundry is necessary for this well as per Don Staley. |                       |                |              |                            |               |    |    |    |        |               |                |
| COMMENTS: Operator will submit a sundry to change operator name on any future wells.  |                       |                |              |                            |               |    |    |    |        |               |                |
| COMMENTS: Also, please correct Turnaround from Amoco Rockmount to Amoco Rocmount, there is no K in spelling. They say they have requested this on several occasions. JCR  |                       |                |              |                            |               |    |    |    |        |               |                |
| COMMENTS:   |                       |                |              |                            |               |    |    |    |        |               |                |
| COMMENTS:   |                       |                |              |                            |               |    |    |    |        |               |                |

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL  
 B - ADD NEW WELL TO EXISTING ENTITY  
 C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY  
 D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY  
 E - OTHER (EXPLAIN IN COMMENTS SECTION)  
 (SEE INSTRUCTIONS)

RECEIVED  
JUN 22 1988

DIVISION OF  
OIL, GAS & MINING

*John R. Daniels*  
SIGNATURE  
Admin Supervisor 06/16/88  
TITLE DATE

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(On instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|  |  |   |  |
|--|--|---|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>   |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>Fee                            |  |
| 2. NAME OF OPERATOR<br>AMOCO PRODUCTION COMPANY  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                  |  |
| 3. ADDRESS OF OPERATOR<br>P.O. BOX 829, EVANSTON, WYOMING 82930  |  | 7. UNIT AGREEMENT NAME<br>Anschutz Ranch East                         |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>SFC 1808' FWL & 643' FSL Sec. 17, T4N, R8E<br>BHL 2340' FWL & 180' FNL Sec. 20, T4N, R8E  |  | 8. FARM OR LEASE NAME<br>W20-03                                       |  |
| 14. PERMIT NO.<br>43-043-30291   |  | 9. WELL NO.<br>W20-03   |  |
| 15. ELEVATIONS (Show whether DP, RT, GR, etc.)<br>7492' GR   |  | 10. FIELD AND POOL, OR WILDCAT<br>Nugget                              |  |
| 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 17, T4N, R8E |  |
| 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) |  | 12. COUNTY OR PARISH<br>Summit  |  |
|  |  | 13. STATE<br>UT   |  |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO:                      |   | SUBSEQUENT REPORT OF:   |  |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>   | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>  | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) Report of Operations <input checked="" type="checkbox"/>                                      |  |
| (Other) <input type="checkbox"/>             |   | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |  |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Date: 6-22-88  
Spud: 4-2-88  
Contractor: Noble #132  
Depth: 13,008'  
Bit: 8.500"  
Running Surveys - Drilling Ahead

| OIL AND GAS |     |
|-------------|-----|
| DRN         | RJF |
| JRB         | GLH |
| DTS         | SLS |
| 1-TAS       |     |
|             |     |
|             |     |
| MICROFILM   |     |
| 2- FILE     |     |

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Stf Admn Supervisor

DATE 6-22-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Attachment

#13. Perforation Record

13488'-13551'  
13559'-13575'  
13581'-13613'  
13619'-13640'  
13669'-13708'  
13741'-13833'  
13845'-13869'  
13877'-13911'  
13934'-13963'

4 shots/ft 90 degrees phased 22.7 gm charges

Perforated 10 5/8" casing @ 11770' and 11820'-11822'  
4 shots/ft

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

## 1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐

## b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

## 2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

## 3. ADDRESS OF OPERATOR

P. O. BOX 829, EVANSTON, WY 82930

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1810' FWL &amp; 641' FSL Sec. 17, T4N, R8E

At top prod. interval reported below

2279' FWL &amp; 214' FNL Sec. 20, T4N, R8E

At total depth

2294' FWL &amp; 213' FNL

Sec. 20, T4N, R8E

## 14. PERMIT NO.

43-043-30291

## DATE ISSUED

3-14-88

## 15. DATE SPUDDED

4-2-88

## 16. DATE T.D. REACHED

6-26-88

## 17. DATE COMPL. (Ready to prod.)

7-17-88

## 18. ELEVATIONS (OF RES. RT. GR. ETC.)\*

7492' GL/7524' KB

## 19. ELEV. CASINGHEAD

7489'

## 20. TOTAL DEPTH, MD &amp; TVD

14115' MD/14056' TVD

## 21. PLUG, BACK T.D., MD &amp; TVD

14060' MD/14001' TVD

## 22. IF MULTIPLE COMPL., HOW MANY\*

## 23. INTERVALS DRILLED BY

## ROTARY TOOLS

X

## CABLE TOOLS

## 24. PRODUCING INTERVAL(S) OF THIS COMPLETION TOP, BOTTOM, NAME (MD AND TVD)\*

Nugget Formation Top @ 13480' MD/ 13421' TVD

Bottom @ 14115' MD/ 14056' TVD

## 25. WAS DIRECTIONAL SURVEY MADE

Yes

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL-FDC, DIL, Phaser Induction Log, Digital Sonic, 6-arm Dipmeter, CBL

## 27. WAS WELL CORED

No

## 28. CASING RECORD (Report all strings set in well)

| CASING SIZE  | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD            | AMOUNT PULLED |
|--------------|-----------------|----------------|-----------|-----------------------------|---------------|
| 20"          | 133#            | 331'           | 26"       | 675 sx Class "A"            |               |
| 13 3/8"      | 61.68#          | 5547'          | 17.5"     | 1900 sx Poz 300 sx "G" 400  | sx "G"        |
| 9 5/8/10 5/8 | 47.53.5, 101.4  | 11839'         | 12.25"    | 1050 sx Class "G"           |               |
| 7"           | 26.32#          | 14115'         | 8.5"      | 105 sx Class "A" Bubble/140 | sx "G"        |

## 29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
|      |          |             |               |             | 3 1/2" | 13245'         | 13245'          |

## 31. PERFORATION RECORD (Interval, size and number)

See attached

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                         |
|---------------------|--|
| 11770'-11772'       | 1050 sx Class "G" cmt<br>circulated through perforations |

## 33.\*

## PRODUCTION

|  |                 |  |                         |          |            |                         |                                    |  |
|--|-----------------|--|-------------------------|----------|------------|-------------------------|------------------------------------|--|
| DATE FIRST PRODUCTION                        |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            |                         | WELL STATUS (Producing or shut-in) |  |
| 7-17-88                                      |                 | Flowing  |                         |          |            |                         | Producing                          |  |
| DATE OF TEST                                 | HOURS TESTED    | CHOKE SIZE   | PROD'N. FOR TEST PERIOD | OIL—BSL. | GAS—MCF.   | WATER—BSL.              | GAS-OIL RATIO                      |  |
| 8-1-88                                       | 24              | 107.5/64   | →                       | 798      | 7000       | 96                      | 8772                               |  |
| FLOW. TUBING PRESS.                          | CASING PRESSURE | CALCULATED 24-HOUR RATE  | OIL—BSL.                | GAS—MCF. | WATER—BSL. | OIL GRAVITY-API (CORR.) |                                    |  |
| 1350 psi                                     | 0 psi           | →  | 798                     | 7000     | 96         | 74 degrees              |                                    |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel) |                 |  |                         |          |            |                         |                                    |  |

## 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Re-injected into West Lobe REservoir for pressure maintenance

## TEST WITNESSED BY

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

*Walter G. Shuff*

TITLE

*Drilling Supervisor*

DATE 8-3-88

\*(See Instructions and Spaces for Additional Data on Reverse Side)

## INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

### 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION  | TOP    | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|--|--------|--------|-----------------------------|
| Nugget   | 13480' | 14115' | Retrograde gas-condensate   |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">4- FILE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">2- MICROFILM ✓</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">1-TAS</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">3-ASIT ✓</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">OIL AND GAS</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">RUE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">JRE</div> </div> </div> |        |        |                             |

### 38.

### GEOLOGIC MARKERS

| NAME           | TOP         |                  |
|----------------|-------------|------------------|
|                | MEAS. DEPTH | TRUE VERT. DEPTH |
| Evanston       | 1930'       | 1930'            |
| Frontier       | 3545'       | 3545'            |
| Aspen          | 5420'       | 5419'            |
| Bear River     | 5815'       | 5813'            |
| Gannet         | 7140'       | 7131'            |
| Preuss         | 10130'      | 10086'           |
| Top Salt       | 11160'      | 11110'           |
| Base Salt      | 11412'      | 11362'           |
| Twin Creek     | 11784'      | 11732'           |
| Leeds Creek    | 12312'      | 12256'           |
| Watton Canyon  | 12551'      | 12493'           |
| Boundry Ridge  | 12954'      | 12896'           |
| Rich           | 13008'      | 12950'           |
| Slide Rock     | 13302'      | 13244'           |
| Gypsum Springs | 13395'      | 13337'           |
| Nugget         | 13480'      | 13421'           |

**RECEIVED**  
SEP 16 1988

DIVISION OF  
OIL, GAS & MINING



# **SUB-SURFACE DIRECTIONAL SURVEY**

\_\_\_\_\_  
AMOCO PRODUCTION COMPANY  
COMPANY

\_\_\_\_\_  
ARE W20-03  
WELL NAME

\_\_\_\_\_  
SUMMIT COUNTY, UTAH  
LOCATION

*43-043-30291* *Pow*

*4N 8E Sec. 20*  
*Sec. 17*

JOB NUMBER

410-1256

TYPE OF SURVEY

SEEKER

DATE

18-JUL-88

SURVEY BY

D. COY

OFFICE

CASPER, WYOMING

COMPANY : AMOCO PRODUCTION COMPANY  
DATE : 16-JUL-8  
SERIAL NO: EW0241  
LATITUDE : 41.15  
WELL NAME: ARE W20-03  
LOCATION : SUMMIT COUNTY, UTAH  
DISTRICT : CASPER  
SURVEYOR : D COY  
CO. REP. : IKE NORWOOD  
DEP REF: KB  
REF EVEL : GROUND  
CASING ID:  
RUN GEAR :  
COMMENT 1: KB IS 32 FEET ABOVE GROUND  
COMMENT 2:  
COMMENT 3:  
-  
-

#### RECORD OF SURVEY

#### RADIUS OF CURVATURE METHOD

COMPANY : AMOCO PRODUCTION COMPANY  
 DATE : 16-JUL-8  
 SERIAL NO: EW0241

COMPUTATION PAGE NO. 6  
 TIME DATE  
 22:02:47 06-JUL-88

| MEASURED<br>DEPTH<br>FEET | DRIFT<br>ANGLE<br>DEG | DRIFT<br>DIRECTION<br>DEG | TRUE<br>VERTICAL<br>DEPTH<br>FEET | R E C T A N G U L A R<br>C O O R D I N A T E S<br>FEET |         | DOGLEG<br>SEVERITY<br>DG/100FT |
|---------------------------|-----------------------|---------------------------|-----------------------------------|--|---------|--------------------------------|
| 0                         | .00                   | .00                       | .00                               | .00  | .00     | .00                            |
| 100                       | .34                   | S 23.29 E                 | 100.00                            | .27 S  | .12 E   | .34                            |
| 200                       | .43                   | S 24.34 E                 | 200.00                            | .89 S  | .39 E   | .09                            |
| 300                       | .20                   | S 9.94 W                  | 300.00                            | 1.43 S   | .46 E   | .29                            |
| 400                       | .18                   | S 52.85 E                 | 399.99                            | 1.71 S   | .57 E   | .20                            |
| 500                       | .49                   | S 8.24 E                  | 499.99                            | 2.20 S   | .86 E   | .38                            |
| 600                       | .14                   | S 16.20 W                 | 599.99                            | 2.75 S   | .82 E   | .37                            |
| 700                       | .59                   | S 11.18 E                 | 699.99                            | 3.38 S   | .79 E   | .47                            |
| 800                       | .42                   | S 10.03 E                 | 799.99                            | 4.24 S   | .96 E   | .17                            |
| 900                       | .94                   | S 7.22 E                  | 899.98                            | 5.42 S   | 1.14 E  | .52                            |
| 1000                      | .65                   | S 21.03 E                 | 999.97                            | 6.76 S   | 1.47 E  | .35                            |
| 1100                      | .85                   | S 2.95 W                  | 1099.96                           | 8.05 S   | 1.68 E  | .37                            |
| 1200                      | .86                   | S 23.19 E                 | 1199.95                           | 9.52 S   | 1.94 E  | .39                            |
| 1300                      | .76                   | S 12.71 W                 | 1299.94                           | 10.91 S  | 2.07 E  | .51                            |
| 1400                      | .91                   | S 2.37 E                  | 1399.93                           | 12.35 S  | 1.94 E  | .27                            |
| 1500                      | .55                   | S 19.36 W                 | 1499.92                           | 13.61 S  | 1.75 E  | .45                            |
| 1600                      | .99                   | S 13.13 W                 | 1599.91                           | 14.90 S  | 1.37 E  | .45                            |
| 1700                      | .70                   | S 6.01 W                  | 1699.90                           | 16.36 S  | 1.13 E  | .31                            |
| 1800                      | .96                   | S 33.42 W                 | 1799.89                           | 17.71 S  | .64 E   | .47                            |
| 1900                      | .96                   | S 22.26 W                 | 1899.87                           | 19.20 S  | .14 W   | .19                            |
| 2000                      | 1.09                  | S 51.66 W                 | 1999.86                           | 20.61 S  | 1.21 W  | .54                            |
| 2100                      | 1.00                  | S 47.01 W                 | 2099.84                           | 21.80 S  | 2.59 W  | .13                            |
| 2200                      | 1.24                  | S 62.41 W                 | 2199.82                           | 22.92 S  | 4.18 W  | .38                            |
| 2300                      | .97                   | S 49.35 W                 | 2299.80                           | 24.00 S  | 5.77 W  | .36                            |
| 2400                      | 1.33                  | S 61.48 W                 | 2399.78                           | 25.15 S  | 7.43 W  | .43                            |
| 2500                      | 1.01                  | S 53.15 W                 | 2499.76                           | 26.25 S  | 9.14 W  | .37                            |
| 2600                      | 1.38                  | S 52.29 W                 | 2599.74                           | 27.51 S  | 10.80 W | .38                            |
| 2700                      | 1.02                  | S 58.20 W                 | 2699.72                           | 28.71 S  | 12.53 W | .38                            |
| 2800                      | 1.27                  | S 37.08 W                 | 2799.70                           | 30.04 S  | 13.99 W | .48                            |
| 2900                      | 1.00                  | S 47.97 W                 | 2899.68                           | 31.49 S  | 15.32 W | .34                            |

COMPANY : AMOCO PRODUCTION COMPANY  
 DATE : 16-JUL-8  
 SERIAL NO: EW0241

COMPUTATION PAGE NO. 7  
 TIME DATE  
 22:02:47 06-JUL-88

| MEASURED<br>DEPTH<br>FEET | DRIFT<br>ANGLE<br>DEG | DRIFT<br>DIRECTION<br>DEG | TRUE<br>VERTICAL<br>DEPTH<br>FEET | RECTANGULAR<br>COORDINATES<br>FEET |         | DOGLEG<br>SEVERITY<br>DG/100FT |
|---------------------------|-----------------------|---------------------------|-----------------------------------|------------------------------------|---------|--------------------------------|
| 3000                      | 1.11                  | S 12.73 W                 | 2999.66                           | 33.06 S                            | 16.24 W | .65                            |
| 3100                      | .99                   | S 22.31 W                 | 3099.64                           | 34.81 S                            | 16.79 W | .22                            |
| 3200                      | 1.23                  | S 12.75 E                 | 3199.63                           | 36.70 S                            | 16.95 W | .71                            |
| 3300                      | 1.15                  | S 5.05 E                  | 3299.60                           | 38.75 S                            | 16.63 W | .18                            |
| 3400                      | 1.53                  | S 25.75 E                 | 3399.58                           | 40.99 S                            | 16.01 W | .61                            |
| 3500                      | 1.46                  | S 16.29 E                 | 3499.54                           | 43.42 S                            | 15.08 W | .26                            |
| 3600                      | 1.89                  | S 29.38 E                 | 3599.50                           | 46.11 S                            | 13.95 W | .57                            |
| 3700                      | 1.77                  | S 22.19 E                 | 3699.45                           | 48.98 S                            | 12.56 W | .26                            |
| 3800                      | 2.01                  | S 35.06 E                 | 3799.39                           | 51.86 S                            | 10.99 W | .48                            |
| 3900                      | 2.16                  | S 26.93 E                 | 3899.33                           | 54.97 S                            | 9.12 W  | .33                            |
| 4000                      | 1.97                  | S 37.70 E                 | 3999.26                           | 58.01 S                            | 7.20 W  | .43                            |
| 4100                      | 2.11                  | S 45.36 E                 | 4099.20                           | 60.67 S                            | 4.84 W  | .30                            |
| 4200                      | 1.73                  | S 43.30 E                 | 4199.14                           | 63.07 S                            | 2.50 W  | .38                            |
| 4300                      | 1.87                  | S 51.29 E                 | 4299.09                           | 65.20 S                            | .19 W   | .29                            |
| 4400                      | 2.01                  | S 47.08 E                 | 4399.04                           | 67.41 S                            | 2.37 E  | .20                            |
| 4500                      | 1.70                  | S 44.02 E                 | 4498.98                           | 69.67 S                            | 4.68 E  | .33                            |
| 4600                      | 1.49                  | S 53.56 E                 | 4598.95                           | 71.50 S                            | 6.77 E  | .34                            |
| 4700                      | 1.44                  | S 41.24 E                 | 4698.91                           | 73.23 S                            | 8.65 E  | .32                            |
| 4800                      | 1.08                  | S 19.83 E                 | 4798.89                           | 75.12 S                            | 9.76 E  | .59                            |
| 4900                      | .93                   | S 28.51 E                 | 4898.87                           | 76.72 S                            | 10.48 E | .22                            |
| 5000                      | 1.40                  | S 21.38 E                 | 4998.85                           | 78.56 S                            | 11.33 E | .49                            |
| 5100                      | 1.53                  | S 7.59 E                  | 5098.82                           | 81.03 S                            | 11.97 E | .38                            |
| 5200                      | 1.47                  | S 5.15 E                  | 5198.78                           | 83.64 S                            | 12.26 E | .09                            |
| 5300                      | 1.59                  | S 8.22 E                  | 5298.75                           | 86.28 S                            | 12.57 E | .15                            |
| 5400                      | 1.88                  | S .05 E                   | 5398.70                           | 89.30 S                            | 12.79 E | .38                            |
| 5500                      | 1.62                  | S 4.33 W                  | 5498.66                           | 92.35 S                            | 12.68 E | .29                            |
| 5600                      | 1.82                  | S 7.15 E                  | 5598.61                           | 95.35 S                            | 12.75 E | .40                            |
| 5700                      | 3.06                  | S 15.00 E                 | 5698.52                           | 99.52 S                            | 13.57 E | 1.28                           |
| 5800                      | 3.86                  | S 20.32 E                 | 5798.33                           | 105.27 S                           | 15.40 E | .86                            |
| 5900                      | 4.38                  | S 30.73 E                 | 5898.08                           | 111.75 S                           | 18.49 E | .90                            |

COMPANY : AMOCO PRODUCTION COMPANY  
 DATE : 16-JUL-8  
 SERIAL NO: EW0241

COMPUTATION PAGE NO. 8  
 TIME DATE  
 22:02:47 06-JUL-88

| MEASURED<br>DEPTH<br>FEET | DRIFT<br>ANGLE<br>DEG | DRIFT<br>DIRECTION<br>DEG | TRUE<br>VERTICAL<br>DEPTH<br>FEET | R E C T A N G U L A R<br>C O O R D I N A T E S<br>FEET |          | DOGLEG<br>SEVERITY<br>DG/100FT |
|---------------------------|-----------------------|---------------------------|-----------------------------------|--|----------|--------------------------------|
| 6000                      | 4.88                  | S 31.48 E                 | 5997.75                           | 118.66 S   | 22.66 E  | .51                            |
| 6100                      | 5.88                  | S 34.00 E                 | 6097.31                           | 126.54 S   | 27.73 E  | 1.03                           |
| 6200                      | 5.92                  | S 36.91 E                 | 6196.78                           | 134.91 S   | 33.69 E  | .30                            |
| 6300                      | 6.29                  | S 35.62 E                 | 6296.21                           | 143.49 S   | 39.98 E  | .40                            |
| 6400                      | 6.20                  | S 32.97 E                 | 6395.62                           | 152.48 S   | 46.11 E  | .30                            |
| 6500                      | 6.45                  | S 35.42 E                 | 6495.01                           | 161.59 S   | 52.30 E  | .37                            |
| 6600                      | 6.77                  | S 33.55 E                 | 6594.34                           | 171.08 S   | 58.82 E  | .38                            |
| 6700                      | 6.82                  | S 31.05 E                 | 6693.64                           | 181.07 S   | 65.13 E  | .30                            |
| 6800                      | 6.94                  | S 33.83 E                 | 6792.92                           | 191.17 S   | 71.56 E  | .35                            |
| 6900                      | 7.20                  | S 31.85 E                 | 6892.16                           | 201.51 S   | 78.23 E  | .36                            |
| 7000                      | 7.20                  | S 29.74 E                 | 6991.37                           | 212.28 S   | 84.65 E  | .26                            |
| 7100                      | 7.15                  | S 30.08 E                 | 7090.59                           | 223.10 S   | 90.87 E  | .07                            |
| 7200                      | 7.74                  | S 31.88 E                 | 7189.75                           | 234.21 S   | 97.54 E  | .63                            |
| 7300                      | 8.20                  | S 31.24 E                 | 7288.78                           | 246.02 S   | 104.80 E | .48                            |
| 7400                      | 8.50                  | S 29.58 E                 | 7387.72                           | 258.55 S   | 112.15 E | .38                            |
| 7500                      | 8.74                  | S 30.22 E                 | 7486.59                           | 271.54 S   | 119.62 E | .26                            |
| 7600                      | 9.21                  | S 32.12 E                 | 7585.37                           | 284.88 S   | 127.69 E | .55                            |
| 7700                      | 9.66                  | S 31.27 E                 | 7684.02                           | 298.83 S   | 136.30 E | .48                            |
| 7800                      | 9.87                  | S 29.60 E                 | 7782.57                           | 313.45 S   | 144.90 E | .35                            |
| 7900                      | 10.08                 | S 29.70 E                 | 7881.06                           | 328.50 S   | 153.46 E | .21                            |
| 8000                      | 9.71                  | S 29.66 E                 | 7979.57                           | 343.43 S   | 161.97 E | .36                            |
| 8100                      | 9.70                  | S 30.70 E                 | 8078.14                           | 358.00 S   | 170.44 E | .18                            |
| 8200                      | 9.95                  | S 29.88 E                 | 8176.67                           | 372.73 S   | 179.05 E | .28                            |
| 8300                      | 9.73                  | S 29.02 E                 | 8275.20                           | 387.61 S   | 187.45 E | .26                            |
| 8400                      | 9.60                  | S 29.18 E                 | 8373.78                           | 402.28 S   | 195.62 E | .13                            |
| 8500                      | 9.54                  | S 30.52 E                 | 8472.39                           | 416.70 S   | 203.89 E | .23                            |
| 8600                      | 9.40                  | S 31.32 E                 | 8571.03                           | 430.82 S   | 212.35 E | .19                            |
| 8700                      | 9.44                  | S 30.74 E                 | 8669.68                           | 444.84 S   | 220.79 E | .10                            |
| 8800                      | 9.23                  | S 29.63 E                 | 8768.35                           | 458.86 S   | 228.94 E | .28                            |
| 8900                      | 8.88                  | S 31.43 E                 | 8867.11                           | 472.42 S   | 236.93 E | .45                            |

COMPANY : AMOCO PRODUCTION COMPANY  
 DATE : 16-JUL-8  
 SERIAL NO: EW0241

COMPUTATION PAGE NO. 9  
 TIME DATE  
 22:02:47 06-JUL-88

| MEASURED<br>DEPTH<br>FEET | DRIFT<br>ANGLE<br>DEG | DRIFT<br>DIRECTION<br>DEG | TRUE<br>VERTICAL<br>DEPTH<br>FEET | R E C T A N G U L A R<br>C O O R D I N A T E S<br>FEET |          | D06LE6<br>SEVERITY<br>D6/100FT |
|---------------------------|-----------------------|---------------------------|-----------------------------------|--|----------|--------------------------------|
| 9000                      | 9.03                  | S 31.16 E                 | 8965.89                           | 485.71 S   | 245.02 E | .16                            |
| 9100                      | 8.62                  | S 30.05 E                 | 9064.71                           | 498.92 S   | 252.83 E | .44                            |
| 9200                      | 8.44                  | S 32.55 E                 | 9163.60                           | 511.60 S   | 260.54 E | .41                            |
| 9300                      | 7.93                  | S 34.00 E                 | 9262.58                           | 523.50 S   | 268.35 E | .56                            |
| 9400                      | 8.08                  | S 35.29 E                 | 9361.61                           | 534.95 S   | 276.26 E | .24                            |
| 9500                      | 7.57                  | S 31.04 E                 | 9460.67                           | 546.35 S   | 283.71 E | .77                            |
| 9600                      | 7.44                  | S 30.46 E                 | 9559.82                           | 557.57 S   | 290.38 E | .15                            |
| 9700                      | 7.30                  | S 31.46 E                 | 9658.99                           | 568.57 S   | 296.98 E | .19                            |
| 9800                      | 7.09                  | S 34.08 E                 | 9758.21                           | 579.10 S   | 303.76 E | .39                            |
| 9900                      | 7.10                  | S 36.59 E                 | 9857.44                           | 589.18 S   | 310.91 E | .31                            |
| 10000                     | 6.83                  | S 35.05 E                 | 9956.70                           | 599.02 S   | 318.01 E | .33                            |
| 10100                     | 6.43                  | S 32.52 E                 | 10056.03                          | 608.62 S   | 324.43 E | .50                            |
| 10200                     | 6.53                  | S 34.92 E                 | 10155.39                          | 618.01 S   | 330.70 E | .29                            |
| 10300                     | 6.24                  | S 33.95 E                 | 10254.77                          | 627.19 S   | 336.99 E | .31                            |
| 10400                     | 6.87                  | S 32.18 E                 | 10354.11                          | 636.76 S   | 343.22 E | .66                            |
| 10500                     | 6.58                  | S 31.13 E                 | 10453.43                          | 646.72 S   | 349.37 E | .32                            |
| 10600                     | 6.17                  | S 30.70 E                 | 10552.81                          | 656.25 S   | 355.07 E | .41                            |
| 10700                     | 5.81                  | S 28.70 E                 | 10652.26                          | 665.32 S   | 360.25 E | .42                            |
| 10800                     | 5.78                  | S 33.67 E                 | 10751.75                          | 673.95 S   | 365.47 E | .50                            |
| 10900                     | 5.15                  | S 25.54 E                 | 10851.29                          | 682.22 S   | 370.17 E | 1.00                           |
| 11000                     | 5.28                  | S 27.11 E                 | 10950.88                          | 690.37 S   | 374.20 E | .19                            |
| 11100                     | 4.61                  | S 28.89 E                 | 11050.51                          | 697.98 S   | 378.25 E | .69                            |
| 11200                     | 3.96                  | S 23.11 E                 | 11150.23                          | 704.69 S   | 381.52 E | .78                            |
| 11300                     | 4.31                  | S 22.26 E                 | 11249.97                          | 711.34 S   | 384.30 E | .35                            |
| 11400                     | 3.95                  | S 20.90 E                 | 11349.71                          | 718.04 S   | 386.95 E | .37                            |
| 11500                     | 3.97                  | S 3.94 E                  | 11449.47                          | 724.78 S   | 388.44 E | 1.17                           |
| 11600                     | 5.11                  | S 13.19 E                 | 11549.15                          | 732.59 S   | 389.61 E | 1.35                           |
| 11700                     | 5.82                  | S 13.00 E                 | 11648.70                          | 741.87 S   | 391.77 E | .71                            |
| 11800                     | 6.52                  | S 15.99 E                 | 11748.12                          | 752.27 S   | 394.46 E | .77                            |
| 11900                     | 7.85                  | S 27.10 E                 | 11847.33                          | 763.88 S   | 399.04 E | 1.92                           |

COMPANY : AMOCO PRODUCTION COMPANY  
DATE : 16-JUL-8  
SERIAL NO: EW0241

COMPUTATION PAGE NO. 10  
TIME DATE  
22:02:47 06-JUL-88

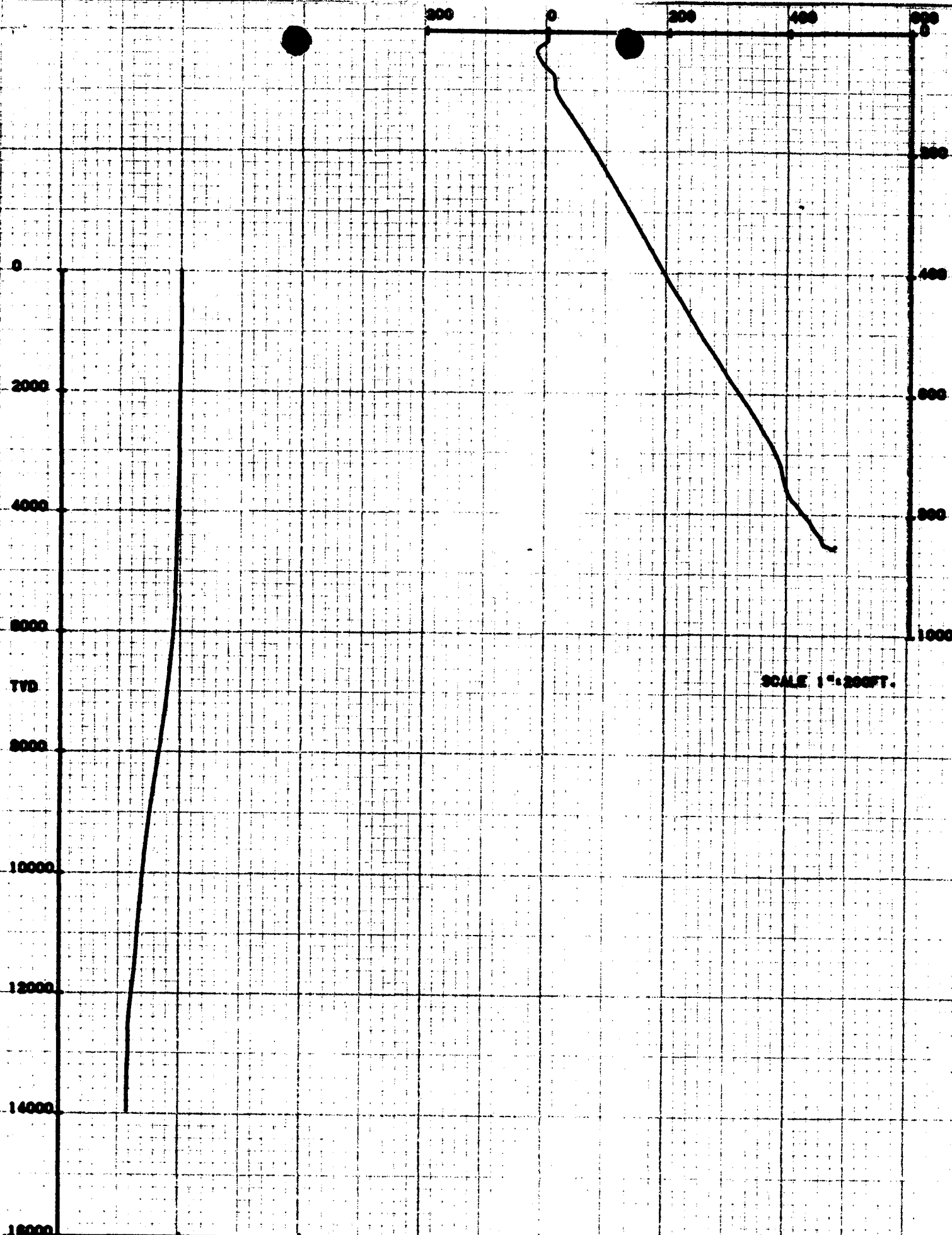
| MEASURED<br>DEPTH<br>FEET | DRIFT<br>ANGLE<br>DEG | DRIFT<br>DIRECTION<br>DEG | TRUE<br>VERTICAL<br>DEPTH<br>FEET | RECTANGULAR<br>COORDINATES<br>FEET | DOGLEG<br>SEVERITY<br>DG/100FT |
|---------------------------|-----------------------|---------------------------|-----------------------------------|------------------------------------|--------------------------------|
| 12000                     | 8.30                  | S 38.59 E                 | 11946.34                          | 775.66 S 406.65 E                  | 1.67                           |
| 12100                     | 8.45                  | S 42.84 E                 | 12045.27                          | 786.69 S 416.14 E                  | .64                            |
| 12200                     | 7.59                  | S 32.57 E                 | 12144.29                          | 797.71 S 424.67 E                  | 1.66                           |
| 12300                     | 6.63                  | S 45.82 E                 | 12243.52                          | 807.29 S 432.47 E                  | 1.89                           |
| 12400                     | 5.48                  | S 31.06 E                 | 12342.96                          | 815.53 S 439.01 E                  | 1.93                           |
| 12500                     | 4.96                  | S 24.20 E                 | 12442.55                          | 823.59 S 443.23 E                  | .81                            |
| 12600                     | 4.14                  | S 40.72 E                 | 12542.23                          | 830.26 S 447.48 E                  | 1.54                           |
| 12700                     | 2.49                  | S 41.24 E                 | 12642.06                          | 834.63 S 451.27 E                  | 1.65                           |
| 12800                     | 1.71                  | S 45.50 E                 | 12741.99                          | 837.29 S 453.78 E                  | .79                            |
| 12900                     | .74                   | S 76.99 E                 | 12841.97                          | 838.30 S 455.63 E                  | 1.14                           |
| 13000                     | 1.13                  | S 51.11 E                 | 12941.96                          | 839.01 S 457.09 E                  | .56                            |
| 13100                     | 2.46                  | S 19.46 W                 | 13041.91                          | 841.83 S 457.89 E                  | 2.34                           |
| 13200                     | 3.05                  | S 26.05 E                 | 13141.79                          | 846.50 S 458.16 E                  | 2.20                           |
| 13300                     | 3.26                  | S 33.81 E                 | 13241.64                          | 851.27 S 460.90 E                  | .48                            |
| 13400                     | 2.82                  | S 77.75 E                 | 13341.50                          | 854.18 S 465.18 E                  | 2.31                           |
| 13500                     | 2.27                  | S 63.05 E                 | 13441.40                          | 855.66 S 469.36 E                  | .85                            |
| 13600                     | 1.15                  | S 41.94 E                 | 13541.35                          | 857.47 S 471.71 E                  | 1.26                           |
| 13700                     | 1.07                  | S 63.81 E                 | 13641.33                          | 858.63 S 473.24 E                  | .43                            |
| 13800                     | 1.23                  | N 89.69 E                 | 13741.31                          | 859.07 S 475.18 E                  | .55                            |
| 13900                     | 1.42                  | N 54.94 E                 | 13841.29                          | 858.38 S 477.35 E                  | .81                            |
| 14000                     | 2.18                  | N 50.63 E                 | 13941.24                          | 856.48 S 479.86 E                  | .77                            |
| 14049                     | 2.22                  | N 60.51 E                 | 13990.20                          | 855.41 S 481.41 E                  | .78                            |

FINAL CLOSURE - DIRECTION: S 29.37 E  
DISTANCE: 981.57 FEET

COMPANY : AMOCO PRODUCTION COMPANY  
DATE : 16-JUL-8  
SERIAL NO: EW0241

FINAL CLOSURE - DIRECTION: S 29.37 E  
DISTANCE: 981.57 FEET.

FINAL STATION - TVD: 13990.20  
RECTANGULAR COORDINATES: 855.41 S 481.41 E  
FILE NUMBER: 031



V. SECTION PLANE:  
SURVEY: 800009, SAN  
N0°00'E

AMOCO PRODUCTION COMPANY  
APR 1970-03  
SHEET 00001, 01/22

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

Amoco Production Company

3. Address and Telephone Number:

P.O. Box 800, Rm 1842, Denver, CO 80201 (303) 830-4728

4. Location of Well

Footages:

643' FSL, 1808' FWL

QQ, Sec., T., R., M.:

Sec ~~15~~<sup>30</sup>, T4N, R8E

5. Lease Designation and Serial Number:

fee

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

FEB 03 1994 Anschutz Ranch East Unit

8. Well Name and Number:

W20-03

9. API Well Number:

43-043-30291

10. Field and Pool, or Wildcat:

Anschutz Ranch East

County:

Summit

State:

Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment               | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection   | <input type="checkbox"/> Shoot or Acidize     |
| <input checked="" type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other                     |   |

Approximate date work will start

### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment *           | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other        |   |

Date of work completion

12-18-93

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company replaced the packer to the subject well using the following procedure:

1. Pull tbg, & pkr.
2. Rerun tbg string and reset Baker Model R-3 pkr at 13,261'. Pressure test pkr to 1500 psi.
3. RTP 12-18-93 with rate of 4.8 BCFPD.

If you require any additional information, please contact Ellen Simon at (303) 830-4728 or Rick Ross (Project Engineer) at (303) 830-4957.

13.

Name & Signature:

*Ellen Simon*

Title:

Date:

Regulatory Analyst

12/24/93

(This space for State use only)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 3 of 3

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

DEMETRIA MARTINEZ  
AMOCO ROCMOUNT COMPANY  
PO BOX 800  
DENVER CO 80201

UTAH ACCOUNT NUMBER: N1390REPORT PERIOD (MONTH/YEAR): 12 / 97AMENDED REPORT ☐ (Highlight Changes)

| Well Name                   |       |            | Producing Zone | Well Status | Days Oper | Production Volumes |          |            |
|-----------------------------|-------|------------|----------------|-------------|-----------|--------------------|----------|------------|
| API Number                  | Entry | Location   |                |             |           | OIL(BBL)           | GAS(MCF) | WATER(BBL) |
| ANSCHUTZ RANCH EAST W16-12  |       |            |                |             |           |                    |          |            |
| 4304330231                  | 04540 | 04N 08E 16 | NGSD           |             |           | Free               |          |            |
| ANSCHUTZ RANCH EAST W20-04  |       |            |                |             |           |                    |          |            |
| 4304330238                  | 04540 | 04N 08E 20 | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST W29-06A |       |            |                |             |           |                    |          |            |
| 4304330250                  | 04540 | 04N 08E 29 | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST W29-14A |       |            |                |             |           |                    |          |            |
| 4304330251                  | 04540 | 04N 08E 29 | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST E28-12  |       |            |                |             |           |                    |          |            |
| 4304330257                  | 04540 | 04N 08E 28 | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST W01-04  |       |            |                |             |           |                    |          |            |
| 4304330270                  | 04540 | 03N 07E 1  | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST W01-12  |       |            |                |             |           |                    |          |            |
| 4304330271                  | 04540 | 03N 07E 1  | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST W30-06  |       |            |                |             |           |                    |          |            |
| 4304330273                  | 04540 | 04N 08E 30 | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST W11-1   |       |            |                |             |           |                    |          |            |
| 4304330277                  | 04540 | 03N 07E 11 | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST W30-13  |       |            |                |             |           |                    |          |            |
| 4304330279                  | 04540 | 04N 07E 25 | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST W12-04  |       |            |                |             |           |                    |          |            |
| 4304330283                  | 04540 | 03N 07E 2  | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST W20-09  |       |            |                |             |           |                    |          |            |
| 4304330286                  | 04540 | 04N 08E 20 | NGSD           |             |           | "                  |          |            |
| ANSCHUTZ RANCH EAST W20-03  |       |            |                |             |           |                    |          |            |
| 4304330291                  | 04540 | 04N 08E 20 | NGSD           |             |           | "                  |          |            |
| TOTALS                      |       |            |                |             |           |                    |          |            |

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

Amoco Production Company

3. Address and Telephone Number:

P.O. Box 800, Rm 812B, Denver, CO 80201 (303) 830-4781

4. Location of Well

Footages: 643' FSL, 1808' FWL

OO, Sec., T., R., M.:

Sec 20, T4N, R8E

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

Anschutz Ranch East

7. Unit Agreement Name:

W20-03

8. Well Name and Number:

9. API Well Number:  
43-043-30291

10. Field and Pool, or Wildcat:  
Anschutz Ranch

County: Summit

State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment               | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection   | <input type="checkbox"/> Shoot or Acidize     |
| <input checked="" type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other                     |   |

Approximate date work will start

### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other                   |   |

Date of work completion

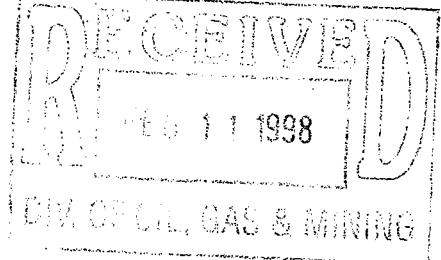
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company is now the operator of the above mentioned well. We will be operating under Utah Bond # 831094. This is effective 1/31/95.

If you require additional information, please contact Gigi Martinez @ (303) 830-4781



13.

Name & Signature:

*G. G. Martinez*

Permit Agent

Title:

2/5/98

Date:

State of Delaware  
Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF DISSOLUTION OF "AMOCO ROCMOUNT COMPANY", FILED IN THIS OFFICE ON THE THIRTY-FIRST DAY OF JANUARY, A.D. 1995, AT 10 O'CLOCK A.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS FOR RECORDING.

*Change of operator. Amoco Rocmount to  
Amoco Production Co Effective 1/31/95*



0934277 8100

950022938

*Edward J. Freel*  
Edward J. Freel, Secretary of State

AUTHENTICATION:

7391913

DATE:

01-31-95

*ANN: Lisha Cordova*  
*801-359-3904*

*4 pages*

*Ed Hadlock*  
*Amoco Prod. Co*  
*303-830-4993*

## CERTIFICATE OF DISSOLUTION

OF

AMOCO ROCMOUNT COMPANY

AMOCO ROCMOUNT COMPANY, a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That dissolution was authorized on January 19, 1995.

SECOND: That dissolution has been authorized by the unanimous written consent of all of the stockholders of the corporation entitled to vote on a dissolution in accordance with the provisions of subsection (c) of section 275 of the General Corporation Law of the State of Delaware.

THIRD: That the names and addresses of the directors and officers of AMOCO ROCMOUNT COMPANY are as follows:

DIRECTORSNAMES

J. M. Brown

J. M. Gross

D. H. Welch

ADDRESSES501 WestLake Park Boulevard  
Houston, TX 77079501 WestLake Park Boulevard  
Houston, TX 77079200 East Randolph Drive  
Chicago, IL 60601OFFICERSNAMES

J. M. Brown

M. R. Gile

J. N. Jagers

OFFICES

President

Vice President

Vice President

ADDRESS501 WestLake Park Blvd.  
Houston, TX 770791670 Broadway  
Denver, CO 802021670 Broadway  
Denver, CO 80202

| <u>NAMES</u>      | <u>OFFICES</u>         | <u>ADDRESS</u>                                 |
|-------------------|------------------------|--|
| D. H. Welch       | Vice President         | 200 East Randolph Drive<br>Chicago, IL 60601   |
| J. M. Gross       | Secretary              | 501 WestLake Park Blvd.<br>Houston, TX 77079   |
| R. B. Wilson      | Assistant<br>Secretary | 1670 Broadway<br>Denver, CO 80202              |
| Rebecca Gormezano | Assistant<br>Secretary | 200 East Randolph Drive<br>Chicago, IL 60601   |
| C. F. Helm        | Assistant<br>Secretary | 519 S. Boston<br>Tulsa, OK 74103               |
| A. L. Haws        | Assistant<br>Secretary | 501 WestLake Park Blvd.<br>Houston, TX 77079   |
| Daniel B. Pinkert | Assistant<br>Secretary | 200 East Randolph Drive<br>Chicago, IL 60601   |
| G. L. Paulson     | Assistant<br>Secretary | 1670 Broadway<br>Denver, CO 80202              |
| J. E. Rutter      | Assistant<br>Secretary | 501 WestLake Park Blvd.<br>- Houston, TX 77079 |
| J. L. Siddall     | Assistant<br>Secretary | 200 East Randolph Drive<br>Chicago, IL 60601   |
| M. J. Stonecipher | Assistant<br>Secretary | 519 S. Boston<br>Tulsa, OK 74103               |
| Rebecca S. McGee  | Assistant<br>Secretary | 1670 Broadway<br>Denver, CO 80202              |
| Gerald M. Wilson  | Assistant<br>Secretary | 200 East Randolph Drive<br>Chicago, IL 60601   |
| Marsha Williams   | Treasurer              | 200 East Randolph Drive<br>Chicago, IL 60601   |

IN WITNESS WHEREOF, said AMOCO ROCMOUNT COMPANY has caused this certificate to be signed by M. R. Gile, its Vice President, and attested by Rebecca S. McGee, its Assistant Secretary, this 26th day of January, 1995.

AMOCO ROCMOUNT COMPANY

ATTEST:

By

Rebecca S. McGee  
Assistant Secretary

By

M. R. Gile, Vice President

STATE OF COLORADO )

CITY OF DENVER )

ss.

I, Sheryl A. White, a Notary Public, do hereby certify that M. R. GILE and Robert S. McGee of the above named AMOCO ROCMOUNT COMPANY, personally known to me to be the same persons whose names are subscribed to the foregoing instrument as Vice President and Assistant Secretary, respectively, appeared before me this day in person, and acknowledged that they signed, sealed and delivered the said instrument as the free and voluntary act of said AMOCO ROCMOUNT COMPANY, and as their own free and voluntary act as Vice President and Assistant Secretary, respectively, for the uses and purposes therein set forth.

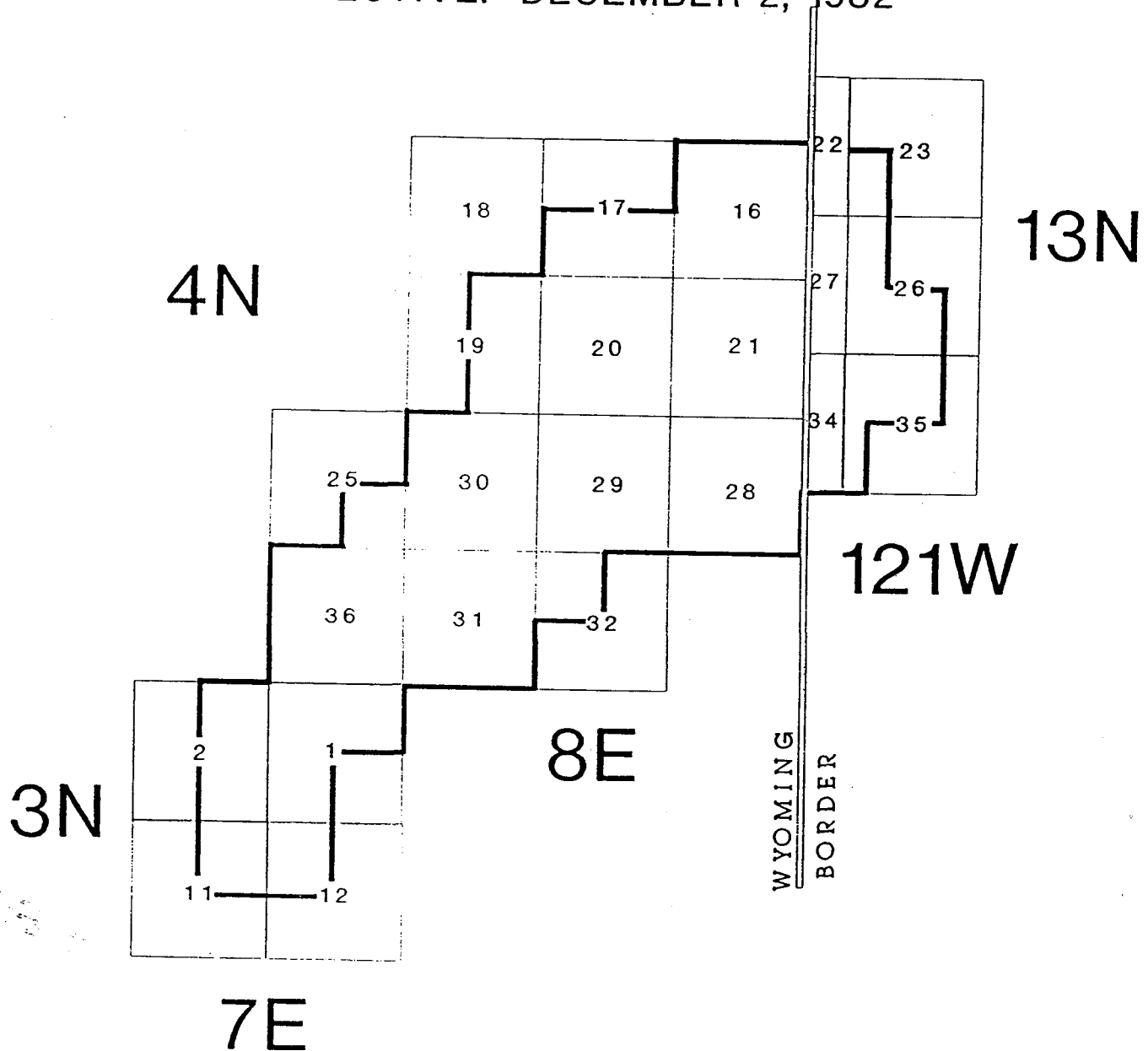
GIVEN under my hand and official seal this 26th day of January, 1995.

Sheryl A. White  
Notary Public

# ANSCHUTZ RANCH EAST UNIT

## Summit County, Utah

EFFECTIVE: DECEMBER 2, 1982



— UNIT OUTLINE (UTU67938X)

AS CONTRACTED DECEMBER 1, 1992

22,158.00 ACRES



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

February 26, 1998

G. G. Martinez  
Amoco Production Company  
P. O. Box 800, Room 812B  
Denver, Colorado 80201

Re: Notification of Sale or Transfer of Fee Lease Interest

The Division has received notification of a change of operator from Amoco Rocmount Company to Amoco Production Company for the following wells which are located on fee leases:

| <u>Well Name</u>            | <u>Sec.-T.-R.</u> | <u>API Number</u> |
|-----------------------------|-------------------|-------------------|
| (Anschutz Ranch East "ARE") |                   |                   |
| ARE W20-08                  | 20-04N-08E        | 43-043-30123      |
| ARE 29-04ST1                | 29-04N-08E        | 43-043-30129      |
| ARE E21-14                  | 21-04N-08E        | 43-043-30130      |
| ARE W21-04                  | 21-04N-08E        | 43-043-30135      |
| ARE W29-02                  | 29-04N-08E        | 43-043-30136      |
| ARE W16-06                  | 16-04N-08E        | 43-043-30138      |
| ARE W20-16                  | 20-04N-08E        | 43-043-30148      |
| ARE W30-16                  | 30-04N-08E        | 43-043-30156      |
| ARE W36-16                  | 36-04N-07E        | 43-043-30157      |
| ARE W20-06                  | 20-04N-08E        | 43-043-30159      |
| ARE W32-04                  | 32-04N-08E        | 43-043-30162      |
| ARE W31-08                  | 31-04N-08E        | 43-043-30164      |
| ARE W31-04                  | 31-04N-08E        | 43-043-30165      |
| ARE W17-16                  | 17-04N-08E        | 43-043-30176      |
| ARE W30-08                  | 30-04N-08E        | 43-043-30183      |
| ARE W30-14                  | 30-04N-08E        | 43-043-30185      |
| ARE W01-06                  | 01-03N-07E        | 43-043-30188      |
| ARE W31-12                  | 31-04N-08E        | 43-043-30190      |
| ARE W19-16                  | 19-04N-08E        | 43-043-30204      |
| ARE W30-10                  | 30-04N-08E        | 43-043-30215      |
| ARE W31-06                  | 31-04N-08E        | 43-043-30217      |

Page 2

G. G. Martinez

Notification of Sale

February 26, 1998

|             |            |              |
|-------------|------------|--------------|
| ARE W20-12  | 20-04N-08E | 43-043-30220 |
| ARE E28-06  | 28-04N-08E | 43-043-30226 |
| ARE W36-10  | 36-04N-07E | 43-043-30227 |
| ARE W20-02  | 20-04N-08E | 43-043-30228 |
| ARE W20-10  | 20-04N-08E | 43-043-30229 |
| ARE W16-12  | 16-04N-08E | 43-043-30231 |
| ARE W20-04  | 20-04N-08E | 43-043-30238 |
| ARE W29-06A | 29-04N-08E | 43-043-30250 |
| ARE W29-14A | 29-04N-08E | 43-043-30251 |
| ARE E28-12  | 28-04N-08E | 43-043-30257 |
| ARE W01-04  | 01-03N-07E | 43-043-30270 |
| ARE W01-12  | 01-03N-07E | 43-043-30271 |
| ARE W30-06  | 30-04N-08E | 43-043-30273 |
| ARE W11-1   | 11-03N-07E | 43-043-30277 |
| ARE W30-13  | 25-04N-07E | 43-043-30279 |
| ARE W12-04  | 02-03N-07E | 43-043-30283 |
| ARE W20-09  | 20-04N-08E | 43-043-30286 |
| ARE W20-03  | 20-04N-08E | 43-043-30291 |

Utah Administrative Rule R649-2-10 states; the owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Amoco Production Company of its responsibility to notify all individuals with an interest in these leases (royalty interest and working interest) of the change of operator. Please provide written documentation of this notification to:

Utah Royalty Owners Association  
Box 1292  
Roosevelt, Utah 84066

Page 3

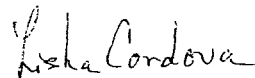
G. G. Martinez

Notification of Sale

February 26, 1998

Your assistance in this matter is appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Lisha Cordova".

Lisha Cordova  
Admin. Analyst, Oil & Gas

cc: Amoco Rocmount Company, Ed Hadlock  
Utah Royalty Owners Association, Stephen Evans  
John R. Baza, Associate Director  
Operator File(s)

## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

|         |        |
|---------|--------|
| Routing |        |
| 1-DEC   | 6-DEC  |
| 2-GLH   | 7-KAS  |
| 3-DESE  | 8-SI   |
| 4-VLD   | 9-FILE |
| 5-JRB   |        |

- ☒ Change of Operator (~~well sold~~)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 1-31-95

|                    |                                 |                      |                               |
|--------------------|---------------------------------|----------------------|-------------------------------|
| TO: (new operator) | <u>AMOCO PRODUCTION COMPANY</u> | FROM: (old operator) | <u>AMOCO ROCMOUNT COMPANY</u> |
| (address)          | <u>PO BOX 800</u>               | (address)            | <u>PO BOX 800</u>             |
|                    | <u>DENVER CO 80201</u>          |                      | <u>DENVER CO 80201</u>        |
|                    |                                 |                      | <u>ED HADLOCK</u>             |
| Phone:             | <u>(303)830-5340</u>            | Phone:               | <u>(303)830-5340</u>          |
| Account no.        | <u>N0050</u>                    | Account no.          | <u>N1390</u>                  |

WELL(S) attach additional page if needed:

**\*ANSCHUTZ RANCH EAST UNIT**

|                               |                         |               |         |         |         |              |
|-------------------------------|-------------------------|---------------|---------|---------|---------|--------------|
| Name: <b>**SEE ATTACHED**</b> | API: <u>43-143-3021</u> | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____                   | API: _____              | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____                   | API: _____              | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____                   | API: _____              | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____                   | API: _____              | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____                   | API: _____              | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____                   | API: _____              | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |

## OPERATOR CHANGE DOCUMENTATION

- Sec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Reg. 2-19-98) (Rec'd 2-26-98)
- Sec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 2-11-98)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- N/A 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- Sec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (2-26-98) \*QuattroPro/11C "No Chg.", DBASE/11C "No Chg." (See comments)
- Sec 6. **Cardex** file has been updated for each well listed above. (2-26-98)
- Sec 7. Well **file labels** have been updated for each well listed above. (2-26-98)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (2-26-98)
- Sec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

## ENTITY REVIEW

- Jec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
4540 "Unit Entity"
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- Jec 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.  
Surety No. 831094 (80,000) Issued by Seaboard Surety Co. in behalf of Amoco Prod. Co. and Amoco Reservoir Co.
- Jec 2. A **copy of this form** has been placed in the new and former operator's bond files.
- Jec 3. The **FORMER** operator has requested a release of liability from their bond (yes/no) no, as of today's date 2-19-98. If yes, division response was made to this request by letter dated \_\_\_\_.

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A/Jec 1. Copies of documents have been sent on \_\_\_\_ to \_\_\_\_ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- Jec 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated Feb. 26, 1998, of their responsibility to notify all interest owners of this change.

## FILMING

- \_\_\_\_ 1. All attachments to this form have been **microfilmed**. Today's date: \_\_\_\_.

## FILING

- CHP 1. Copies of all attachments to this form have been filed in each **well file**.
- \_\_\_\_ 2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

## COMMENTS

980219 Recognized op. for Anschutz Ranch East Unit (State Unit) already Amoco Production Co.

\* UIC Wells (Disposal & Gas Injection) were never changed to Amoco Reservoir Company, no change necessary. They were changed in 3270 and have now been changed back to Amoco Prod. Co.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER See Attached

2. NAME OF OPERATOR:  
Amoco Production Company

3. ADDRESS OF OPERATOR:  
501 Westlake Park Blvd CITY Houston STATE TX ZIP 77079

PHONE NUMBER:  
(281) 366-5328

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached

COUNTY: See Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |   |
|---|---|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____ | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION          |
|   | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL               |
|   | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON                    |
|   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                  | <input type="checkbox"/> TUBING REPAIR                          |
|   | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                          |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:<br>_____              | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                         |
|   | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                         |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input checked="" type="checkbox"/> OTHER: Operator Name Change |
|   | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Amoco Production Company proposes to change its name to BP America Production Company, effective December 31, 2001. Mailing addresses and designated agents shall remain the same.

Attached to this sundry is a listing of wells currently operated by Amoco Production Company. This list includes all wells with the exception of those wells which have a plugged or D&A status.

Also attached for the Board's file is a copy of the Board Resolution approving the name change.

NAME (PLEASE PRINT) Alan Wood

TITLE Regulatory Engineer

SIGNATURE

DATE 12/11/2001

(This space for State use only)

**RECEIVED**

DEC 13 2001

DIVISION OF  
OIL, GAS AND MINING

UNITED STATES OF AMERICA  
STATE OF TEXAS  
COUNTY OF HARRIS  
CITY OF HOUSTON

§  
§  
§  
§

CERTIFICATE

M. S. Haskins, of lawful age, first being duly sworn on oath, deposes and says:

1. That she is the duly elected, qualified and acting Assistant Secretary of Amoco Production Company, a corporation organized and existing under the laws of the State of Delaware, U.S.A.;

2. That on November 12, 2001, by consent action of the Board of Directors of Amoco Production Company (hereinafter referred to as "Company"), the following resolutions were adopted:

WHEREAS, in connection with BP America Inc.'s ("BP") integration of Atlantic Richfield Company ("ARCO") and Vastar Resources, Inc. ("Vastar"), BP has elected to reorganize, consolidate and merge its upstream onshore Lower 48 assets into a single legal entity to align BP's legal structure with its business organization and to improve operating efficiencies; and

WHEREAS, BP desires Amoco Production Company ("Company") to be such single legal entity for the purposes of such reorganization, consolidation and merger; and

WHEREAS such reorganization, consolidation and merger shall be accomplished by December 31, 2001 pursuant to a Reorganization Agreement ("Agreement") by and between ARCO and BP Company North America Inc. ("BP Company NA"), the parent of Company, resulting in ARCO's upstream onshore Lower 48 assets being transferred to Company and Vastar being merged into Company; and

WHEREAS, pursuant to such Agreement, asset, stock and liability transfers will occur in consideration for Class B common stock of BP Company NA and Company's agreement to assume all obligations and indemnify ARCO for all past and future liabilities relating to such transfers; and

WHEREAS, in connection with such reorganization, Company desires to change its name to BP America Production Company, effective December 31, 2001 with corporate seal as follows; and



WHEREAS all officers and directors of Company will remain unchanged.

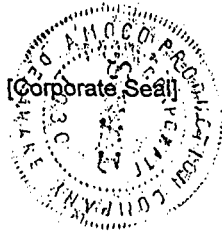
NOW, THEREFORE, BE IT,

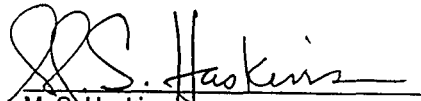
RESOLVED, Company will accept asset, stock and liability transfers effective December 31, 2001 pursuant to the Agreement and will assume all obligations and indemnify ARCO for all past or future liabilities relating to such transfers.

FURTHER RESOLVED, Company will change its name and corporate seal to BP America Production Company, effective December 31, 2001 and all officers and directors will remain unchanged.

3. That the aforesaid resolutions have not been amended, rescinded, or annulled, but remain in full force and effect on the date hereof.

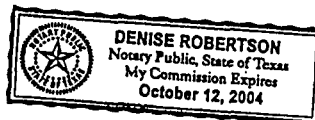
EXECUTED in the City of Houston, State of Texas, on this the 13 day of November, 2001.



  
M. S. Haskins

SUBSCRIBED and sworn to before me this 13 day of November, 2001.

(Notary Seal)



  
NOTARY PUBLIC, STATE OF TEXAS

| API Well Number    | Operator            | Well Name                    | Well Type | Well Status    | Field Name          | Sec | Twp-Rng |
|--------------------|---------------------|------------------------------|-----------|----------------|---------------------|-----|---------|
| 43-043-30096-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST W16-14   | Gas Well  | Shut_In        | ANSCHUTZ RANCH EAST | 16  | 4N-8E   |
| 43-043-30106-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST 34-2     | SWD       | Active Well    | ANSCHUTZ RANCH EAST | 34  | 4N-7E   |
| 43-043-30123-00-00 | AMOCO PRODUCTION CO | ARE W20-08                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 20  | 4N-8E   |
| 43-043-30129-00-00 | AMOCO PRODUCTION CO | ARE 29-04ST1                 | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 29  | 4N-8E   |
| 43-043-30130-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST E21-14   | Gas Well  | Shut_In        | ANSCHUTZ RANCH EAST | 21  | 4N-8E   |
| 43-043-30135-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST W21-04   | Gas Well  | Shut_In        | ANSCHUTZ RANCH EAST | 21  | 4N-8E   |
| 43-043-30136-00-00 | AMOCO PRODUCTION CO | ARE W29-02                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 29  | 4N-8E   |
| 43-043-30138-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST W16-06   | Gas Well  | Shut_In        | ANSCHUTZ RANCH EAST | 16  | 4N-8E   |
| 43-043-30139-00-00 | AMOCO PRODUCTION CO | ISLAND RANCHING C-1          | SWD       | Active Well    | ANSCHUTZ RANCH EAST | 26  | 4N-7E   |
| 43-043-30143-00-00 | AMOCO PRODUCTION CO | CHAMPLIN 372 AMOCO C 1       | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 23  | 4N-7E   |
| 43-043-30145-00-00 | AMOCO PRODUCTION CO | ARE W20-14                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 20  | 4N-8E   |
| 43-043-30148-00-00 | AMOCO PRODUCTION CO | ARE W20-16                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 20  | 4N-8E   |
| 43-043-30154-00-00 | AMOCO PRODUCTION CO | ARE W29-12                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 29  | 4N-8E   |
| 43-043-30156-00-00 | AMOCO PRODUCTION CO | ARE W30-16                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 30  | 4N-8E   |
| 43-043-30157-00-00 | AMOCO PRODUCTION CO | ARE W36-16                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 36  | 4N-7E   |
| 43-043-30159-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST W20-06   | Gas Well  | Shut_In        | ANSCHUTZ RANCH EAST | 20  | 4N-8E   |
| 43-043-30161-00-00 | AMOCO PRODUCTION CO | ISLAND RANCHING D-1          | Gas Well  | Shut_In        | WEBER FORMATION     | 14  | 4N-7E   |
| 43-043-30162-00-00 | AMOCO PRODUCTION CO | ARE W32-04                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 32  | 4N-8E   |
| 43-043-30164-00-00 | AMOCO PRODUCTION CO | ARE W31-08                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 31  | 4N-8E   |
| 43-043-30165-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST W31-04 E | Gas Well  | Shut_In        | ANSCHUTZ RANCH EAST | 31  | 4N-8E   |
| 43-043-30167-00-00 | AMOCO PRODUCTION CO | ARE W36-08                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 36  | 4N-7E   |
| 43-043-30168-00-00 | AMOCO PRODUCTION CO | CHAMPLIN 387 B1A             | Gas Well  | Shut_In        | ANSCHUTZ RANCH EAST | 9   | 3N-7E   |
| 43-043-30170-00-00 | AMOCO PRODUCTION CO | CHAMPLIN 372 D-1             | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 23  | 4N-7E   |
| 43-043-30176-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST W17-16   | Gas Well  | Shut_In        | ANSCHUTZ RANCH EAST | 17  | 4N-8E   |
| 43-043-30183-00-00 | AMOCO PRODUCTION CO | ARE W30-08                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 30  | 4N-8E   |
| 43-043-30185-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST W30-14   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 30  | 4N-8E   |
| 43-043-30188-00-00 | AMOCO PRODUCTION CO | ARE W01-06                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 1   | 3N-7E   |
| 43-043-30190-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST W31-12   | Gas Well  | Shut_In        | ANSCHUTZ RANCH EAST | 31  | 4N-8E   |
| 43-043-30204-00-00 | AMOCO PRODUCTION CO | ANSCHUTZ RANCH EAST W19-16   | Gas Well  | Shut_In        | ANSCHUTZ RANCH EAST | 19  | 4N-8E   |
| 43-043-30209-00-00 | AMOCO PRODUCTION CO | ARE W1-02                    | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 1   | 3N-7E   |
| 43-043-30215-00-00 | AMOCO PRODUCTION CO | ARE W30-10                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 30  | 4N-8E   |
| 43-043-30216-00-00 | AMOCO PRODUCTION CO | ARE W30-15                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 30  | 4N-8E   |
| 43-043-30217-00-00 | AMOCO PRODUCTION CO | ARE W31-06                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 31  | 4N-8E   |
| 43-043-30218-00-00 | AMOCO PRODUCTION CO | ARE W30-02                   | Gas Well  | Producing Well | ANSCHUTZ RANCH EAST | 30  | 4N-8E   |

[illegible]

**OPERATOR CHANGE WORKSHEET****ROUTING**

|         |  |        |
|---------|--|--------|
| 1. GLH  |  | 4-KAS  |
| 2. CDW✓ |  | 5-LP   |
| 3. JLT  |  | 6-FILE |

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective: **12-31-2001****FROM: (Old Operator):**

AMOCO PRODUCTION COMPANY

Address: 501 WESTLAKE PARK BLVD

HOUSTON, TX 77079

Phone: 1-(281)-366-5328

Account N0050

**TO: (New Operator):**

BP AMERICA PRODUCTION COMPANY

Address: 501 WESTLAKE PARK BLVD

HOUSTON, TX 77079

Phone: 1-(281)-366-5328

Account N1990

**CA No.****Unit: ANSCHUTZ RANCH EAST****WELL(S)**

| NAME                        | API NO.      | ENTITY NO. | SEC. TWN RNG | LEASE TYPE | WELL TYPE | WELL STATUS |
|-----------------------------|--------------|------------|--------------|------------|-----------|-------------|
| ANSCHUTZ RANCH EAST W20-02  | 43-043-30228 | 4540       | 20-4N-8E     | FEE        | GW        | S           |
| ANSCHUTZ RANCH EAST W20-03  | 43-043-30291 | 4540       | 20-4N-8E     | FEE        | GW        | S           |
| ANSCHUTZ RANCH EAST W20-04  | 43-043-30238 | 4540       | 20-4N-8E     | FEE        | GW        | S           |
| ANSCHUTZ RANCH EAST W20-06  | 43-043-30159 | 4540       | 20-4N-8E     | FEE        | GW        | S           |
| ANSCHUTZ RANCH EAST W20-09  | 43-043-30286 | 4540       | 20-4N-8E     | FEE        | GW        | P           |
| ANSCHUTZ RANCH EAST W20-10  | 43-043-30229 | 4540       | 20-4N-8E     | FEE        | GW        | P           |
| ANSCHUTZ RANCH EAST W20-12  | 43-043-30220 | 4540       | 20-4N-8E     | FEE        | GW        | S           |
| ANSCHUTZ RANCH EAST E21-14  | 43-043-30130 | 4540       | 21-4N-8E     | FEE        | GW        | S           |
| ANSCHUTZ RANCH EAST W21-04  | 43-043-30135 | 4540       | 21-4N-8E     | FEE        | GW        | S           |
| ANSCHUTZ RANCH EAST E28-06  | 43-043-30226 | 4540       | 28-4N-8E     | FEE        | GW        | P           |
| ANSCHUTZ RANCH EAST E28-12  | 43-043-30257 | 4540       | 28-4N-8E     | FEE        | GW        | P           |
| ARE 29-04ST1                | 43-043-30129 | 4540       | 29-4N-8E     | FEE        | GW        | P           |
| ANSCHUTZ RANCH EAST W29-02  | 43-043-30136 | 4540       | 29-4N-8E     | FEE        | GW        | P           |
| ANSCHUTZ RANCH EAST W29-12  | 43-043-30154 | 4540       | 29-4N-8E     | FEE        | GW        | P           |
| ANSCHUTZ RANCH EAST W29-06A | 43-043-30250 | 4540       | 29-4N-8E     | FEE        | GW        | P           |
| ANSCHUTZ RANCH EAST W29-14A | 43-043-30251 | 4540       | 29-4N-8E     | FEE        | GW        | P           |
| ANSCHUTZ RANCH EAST W30-08  | 43-043-30183 | 4540       | 30-4N-8E     | FEE        | GW        | P           |
| ANSCHUTZ RANCH EAST W30-10  | 43-043-30215 | 4540       | 30-4N-8E     | FEE        | GW        | P           |
| ANSCHUTZ RANCH EAST W30-14  | 43-043-30185 | 4540       | 30-4N-8E     | FEE        | GW        | S           |
| ANSCHUTZ RANCH EAST W30-16  | 43-043-30156 | 4540       | 30-4N-8E     | FEE        | GW        | P           |

**OPERATOR CHANGES DOCUMENTATION**1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/13/20012. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 12/13/2001

3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 12/14/2001

4. Is the new operator registered in the State of Utah: YES Business Number: PENDING

5. If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change) for all wells listed on Federal or Indian leases on: N/A

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

#### DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 12/17/2001

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/17/2001

3. Bond information entered in RBDMS on: 12/11/2001

4. Fee wells attached to bond in RBDMS on: 12/17/2001

#### STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

#### INDIAN BOND VERIFICATION:

1. Indian well(s) covered by Bond No.: N/A

#### FEDERAL BOND VERIFICATION:

1. Federal well(s) covered by Bond No.: N/A

#### FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 103172911249

2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 12/19/2001

#### COMMENTS:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

|   |  |  |
|---|--|--|
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____ |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>FEE         |
| 2. NAME OF OPERATOR:<br>BP AMERICA PRODUCTION COMPANY SUITE A   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>NA            |
| 3. ADDRESS OF OPERATOR:<br>1013 CHEYENNE DR. CITY EVANSTON STATE WY ZIP 82930                                 |  | 7. UNIT or CA AGREEMENT NAME:<br>ANSCHUTZ RANCH EAST   |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: 641 FSL x 1810 FWL  |  | 8. WELL NAME and NUMBER:<br>ARE W20-03                 |
| PHONE NUMBER:<br>(303) 423-5749   |  | 9. API NUMBER:<br>4304330291                           |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 20 4N 8E  |  | 10. FIELD AND POOL, OR WILDCAT:<br>ANSCHUTZ RANCH EAST |

COUNTY: SUMMIT

STATE: UTAH

**CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |   |
|--|---|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start: _____ | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion: _____              | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       |
|  | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input checked="" type="checkbox"/> TEMPORARILY ABANDON |
|  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                  | <input type="checkbox"/> TUBING REPAIR                  |
|  | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                  |
|  | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                 |
|  | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                 |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input type="checkbox"/> OTHER: _____                   |
|  | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The ARE W20-03 is shut in and has not been plugged and abandoned due to potential for future downhole monitoring. BP's plan is to hold these wells in a Temporarily Abandoned status until this potential is verified or eliminated. Upon elimination of potential, the wells will be plugged and abandoned. As for mechanical integrity: These wells all have packers installed and casing pressure is monitored by our field personnel. The wellhead valves are also on a regular PM for greasing and testing.  
Please call Kris Lee at 303-423-5749 or Clark Lawler at 307-783-2406 if you have questions.

COPY SENT TO OPERATOR  
Date: 11/19/03  
Initials: CHD

RECEIVED

MAR 27 2003

**THIS SUNDRY IS BEING RETURNED: INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION (see attached sheet).**

Utah Division of Oil, Gas and Mining

November 19, 2003

NAME (PLEASE PRINT) Kristina A. Lee

SIGNATURE Kristina A. Lee

TITLE Regulatory Specialist

DATE 3/17/2003

(This space for State use only)

## ***INFORMATION REQUIRED TO EXTEND SI/TA OF WELL***

Well Name and Number: ARE W20-03  
API Number: 43-043-30291  
Operator: Merit Energy Company  
Reference Document: Original Sundry dated March 17, 2003, received by  
DOGM on March 27, 2003

The well has been Shut-in/Temporarily Abandoned for 7 years 11 months. Insufficient information was submitted to the Division to approve the referenced well for continued Shut-in or Temporary Abandonment (SI/TA). The following requirements of R649-3-36 have not been met with this request for SI/TA approval.

1. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
2. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment. (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram and;
2. Copy of recent casing pressure test and/or;
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity and;
4. Fluid level in the wellbore and;
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.



Dustin K. Doucet  
Petroleum Engineer

November 19, 2003

Date

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
See Attached

8. WELL NAME and NUMBER:  
See Attached

9. API NUMBER:  
Attached

10. FIELD AND POOL, OR WILDCAT:  
See Attached

1. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☐ OTHER See Attached

2. NAME OF OPERATOR:  
BP America Production Company

3. ADDRESS OF OPERATOR:  
501 WestLake Park Blv CITY Houston STATE TX ZIP 77079

PHONE NUMBER:  
(281) 366-2000

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached

COUNTY: See Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT  
(Submit in Duplicate)  
Approximate date work will start:

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)  
Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BP America Production Company, effective May 1, 2003, has transferred its interest in the attached list of properties to :

Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240

Transfer of operations is effective July 1, 2003.

By Merit Energy Company

Name Forrest N. Dismore Title V.P.

Signature [Signature] Date 7/1/03

BP America Production Company  
NAME (PLEASE PRINT) David G. Peterson TITLE Attorney-In-Fact

SIGNATURE [Signature] DATE 6/26/03

(This space for State use only)

RECEIVED

JUL 03 2003

DIV. OF OIL, GAS & MINING

BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY

| API Well Number    | Operator                 | Well Name              | Well Type      | Well Status    | Field Name          | County Name | Location (Twp-Rng) | Section | Qtr/Qtr | Ft. NS | NS | Ft. EW | EW |
|--------------------|--------------------------|------------------------|----------------|----------------|---------------------|-------------|--------------------|---------|---------|--------|----|--------|----|
| 43-043-30096-00-00 | BP AMERICA PRODUCTION CO | ARE W16-14             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 16      | NWSW    | 2137   | S  | 686    | W  |
| 43-043-30106-00-00 | BP AMERICA PRODUCTION CO | ARE 34-2               | Water Disposal | Active Well    | ANSCHUTZ RANCH      | SUMMIT      | 4N-7E              | 34      | NWNW    | 1036   | N  | 1100   | W  |
| 43-043-30123-00-00 | BP AMERICA PRODUCTION CO | ARE W20-08             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 20      | SENE    | 2202   | N  | 1592   | E  |
| 43-043-30129-00-00 | BP AMERICA PRODUCTION CO | ARE 29-04ST1           | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 29      | NWNW    | 627    | N  | 435    | W  |
| 43-043-30130-00-00 | BP AMERICA PRODUCTION CO | ARE E21-14             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 21      | NWSW    | 2365   | S  | 200    | W  |
| 43-043-30135-00-00 | BP AMERICA PRODUCTION CO | ARE W21-04             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 21      | NWNW    | 1063   | N  | 401    | W  |
| 43-043-30136-00-00 | BP AMERICA PRODUCTION CO | ARE W29-02             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 29      | NWNE    | 662    | N  | 2460   | E  |
| 43-043-30138-00-00 | BP AMERICA PRODUCTION CO | ARE W16-06             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 16      | SENE    | 1314   | N  | 618    | E  |
| 43-043-30139-00-00 | BP AMERICA PRODUCTION CO | ISLAND RANCHING C-1    | Water Disposal | Active Well    | ANSCHUTZ RANCH      | SUMMIT      | 4N-7E              | 26      | SWSE    | 1324   | S  | 1722   | E  |
| 43-043-30143-00-00 | BP AMERICA PRODUCTION CO | CHAMPLIN 372 AMOCO C 1 | Gas Well       | Shut_In        | ANSCHUTZ RANCH      | SUMMIT      | 4N-7E              | 23      | NWNW    | 860    | N  | 536    | W  |
| 43-043-30145-00-00 | BP AMERICA PRODUCTION CO | ARE W20-14             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 20      | NWSW    | 1518   | S  | 1283   | W  |
| 43-043-30148-00-00 | BP AMERICA PRODUCTION CO | ARE W20-16             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 20      | SWSE    | 257    | S  | 1640   | E  |
| 43-043-30154-00-00 | BP AMERICA PRODUCTION CO | ARE W29-12             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 29      | NWSW    | 2204   | S  | 22     | W  |
| 43-043-30156-00-00 | BP AMERICA PRODUCTION CO | ARE W30-16             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 30      | NESE    | 1345   | S  | 968    | E  |
| 43-043-30157-00-00 | BP AMERICA PRODUCTION CO | ARE W36-16             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-7E              | 36      | SESE    | 890    | S  | 447    | E  |
| 43-043-30159-00-00 | BP AMERICA PRODUCTION CO | ARE W20-06             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 20      | NWNW    | 1291   | N  | 936    | W  |
| 43-043-30162-00-00 | BP AMERICA PRODUCTION CO | ARE W32-04             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 32      | NWNW    | 642    | N  | 791    | W  |
| 43-043-30164-00-00 | BP AMERICA PRODUCTION CO | ARE W31-08             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 31      | NWNE    | 468    | N  | 2201   | E  |
| 43-043-30165-00-00 | BP AMERICA PRODUCTION CO | ARE W31-04E            | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 31      | NWNW    | 111    | N  | 737    | W  |
| 43-043-30167-00-00 | BP AMERICA PRODUCTION CO | ARE W36-08             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-7E              | 36      | SENE    | 1641   | N  | 1183   | E  |
| 43-043-30168-00-00 | BP AMERICA PRODUCTION CO | CHAMPLIN 387 B1A       | Gas Well       | Shut_In        | ANSCHUTZ RANCH      | SUMMIT      | 3N-7E              | 9       | SWNW    | 1837   | N  | 1286   | W  |
| 43-043-30170-00-00 | BP AMERICA PRODUCTION CO | CHAMPLIN 372 D-1       | Gas Well       | Producing Well | ANSCHUTZ RANCH      | SUMMIT      | 4N-7E              | 23      | NESE    | 2170   | S  | 680    | E  |
| 43-043-30176-00-00 | BP AMERICA PRODUCTION CO | ARE W17-16             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 17      | NWSE    | 1765   | S  | 1444   | E  |
| 43-043-30183-00-00 | BP AMERICA PRODUCTION CO | ARE W30-08             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 30      | SENE    | 2109   | N  | 665    | E  |
| 43-043-30185-00-00 | BP AMERICA PRODUCTION CO | ARE W30-14             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 30      | SESW    | 1195   | S  | 1405   | W  |
| 43-043-30188-00-00 | BP AMERICA PRODUCTION CO | ARE W01-06             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 3N-7E              | 1       | SENW    | 1777   | N  | 1666   | W  |
| 43-043-30190-00-00 | BP AMERICA PRODUCTION CO | ARE W31-12             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 31      | SWNW    | 1778   | N  | 640    | W  |
| 43-043-30204-00-00 | BP AMERICA PRODUCTION CO | ARE W19-16             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 19      | SWSE    | 1229   | S  | 1350   | E  |
| 43-043-30209-00-00 | BP AMERICA PRODUCTION CO | ARE W01-02             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 3N-7E              | 1       | NENW    | 386    | N  | 2013   | W  |
| 43-043-30215-00-00 | BP AMERICA PRODUCTION CO | ARE W30-10             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 30      | NWSE    | 2230   | S  | 2432   | E  |
| 43-043-30216-00-00 | BP AMERICA PRODUCTION CO | ARE W30-15             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 30      | SESW    | 626    | S  | 2848   | E  |
| 43-043-30217-00-00 | BP AMERICA PRODUCTION CO | ARE W31-06             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 31      | SENW    | 1397   | N  | 2181   | W  |
| 43-043-30218-00-00 | BP AMERICA PRODUCTION CO | ARE W30-02             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 30      | NWNE    | 715    | N  | 2182   | E  |
| 43-043-30220-00-00 | BP AMERICA PRODUCTION CO | ARE W20-12             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 20      | NWSW    | 2531   | S  | 7      | W  |
| 43-043-30226-00-00 | BP AMERICA PRODUCTION CO | ARE E28-06             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 28      | SENW    | 1900   | N  | 1652   | W  |
| 43-043-30227-00-00 | BP AMERICA PRODUCTION CO | ARE W36-10             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-7E              | 36      | NESW    | 2315   | S  | 3185   | E  |
| 43-043-30228-00-00 | BP AMERICA PRODUCTION CO | ARE W20-02             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 20      | NWNE    | 319    | N  | 2000   | E  |
| 43-043-30229-00-00 | BP AMERICA PRODUCTION CO | ARE W20-10             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 20      | SENW    | 2560   | N  | 2567   | W  |
| 43-043-30231-00-00 | BP AMERICA PRODUCTION CO | ARE W16-12             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 16      | SWNW    | 2756   | S  | 454    | W  |
| 43-043-30238-00-00 | BP AMERICA PRODUCTION CO | ARE W20-04             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 20      | NWNW    | 702    | N  | 414    | W  |
| 43-043-30248-00-00 | BP AMERICA PRODUCTION CO | ARE W30-12A            | Gas Injection  | Inactive Well  | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 30      | NWSW    | 1886   | S  | 47     | W  |
| 43-043-30250-00-00 | BP AMERICA PRODUCTION CO | ARE W29-06A            | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 29      | SENW    | 1513   | N  | 1548   | W  |
| 43-043-30251-00-00 | BP AMERICA PRODUCTION CO | ARE W29-14A            | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 29      | NWSW    | 1786   | S  | 795    | W  |
| 43-043-30255-00-00 | BP AMERICA PRODUCTION CO | ARE W36-14             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-7E              | 36      | SESW    | 901    | S  | 1780   | W  |
| 43-043-30257-00-00 | BP AMERICA PRODUCTION CO | ARE E28-12             | Gas Well       | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 28      | NWSW    | 1994   | S  | 806    | W  |
| 43-043-30265-00-00 | BP AMERICA PRODUCTION CO | ARE W2-10              | Gas Injection  | Inactive Well  | ANSCHUTZ RANCH EAST | SUMMIT      | 3N-7E              | 2       | NWSE    | 1959   | S  | 1463   | E  |
| 43-043-30270-00-00 | BP AMERICA PRODUCTION CO | ARE W01-04             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 3N-7E              | 1       | SWNW    | 697    | N  | 465    | W  |
| 43-043-30271-00-00 | BP AMERICA PRODUCTION CO | ARE W01-12             | Gas Well       | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT      | 3N-7E              | 1       | NWSW    | 2072   | S  | 1669   | W  |
| 43-043-30272-00-00 | BP AMERICA PRODUCTION CO | ARE W19-08             | Gas Injection  | Inactive Well  | ANSCHUTZ RANCH EAST | SUMMIT      | 4N-8E              | 19      | SENE    | 2227   | N  | 301    | E  |

BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY

|                    |                          |            |          |                |                     |        |       |         |        |        |
|--------------------|--------------------------|------------|----------|----------------|---------------------|--------|-------|---------|--------|--------|
| 43-043-30273-00-00 | BP AMERICA PRODUCTION CO | ARE W30-06 | Gas Well | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT | 4N-8E | 30 SENW | 2393 S | 1645 W |
| 43-043-30277-00-00 | BP AMERICA PRODUCTION CO | ARE W11-1  | Gas Well | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT | 3N-7E | 11 NENE | 533 N  | 1486 E |
| 43-043-30279-00-00 | BP AMERICA PRODUCTION CO | ARE W30-13 | Gas Well | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT | 4N-7E | 25 SESE | 597 S  | 382 E  |
| 43-043-30280-00-00 | BP AMERICA PRODUCTION CO | ARE W31-05 | Gas Well | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT | 4N-8E | 31 SWNW | 2361 N | 282 E  |
| 43-043-30283-00-00 | BP AMERICA PRODUCTION CO | ARE W12-04 | Gas Well | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT | 3N-7E | 2 SESE  | 373 S  | 865 E  |
| 43-043-30286-00-00 | BP AMERICA PRODUCTION CO | ARE W20-09 | Gas Well | Producing Well | ANSCHUTZ RANCH EAST | SUMMIT | 4N-8E | 20 SENE | 2360 N | 430 E  |
| 43-043-30291-00-00 | BP AMERICA PRODUCTION CO | ARE W20-03 | Gas Well | Shut_In        | ANSCHUTZ RANCH EAST | SUMMIT | 4N-8E | 20 SESW | 641 S  | 1810 W |

### 3. FILE

### Designation of Agent/Operator

Merger

**7/1/2003**

|  |  |
|--|--|
| <b>FROM:</b> (Old Operator):   | <b>TO:</b> ( New Operator):  |
| N1990-BP America Production Company<br>501 WestLake Park Blvd<br>Houston, TX 77079 | N4900-Merit Energy Company<br>13727 Noel Road, Suite 500<br>Dallas, TX 75240 |
| Phone: (281) 366-2000  | Phone: (972) 628-1558  |

Unit:

## ANSCHUTZ RANCH EAST

**WELL(S)**

[illegible]

## OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/3/2003

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/3/2003

3. The new company was checked on the Department of Commerce, Division of Corporations Database on: 8/7/2003

4. Is the new operator registered in the State of Utah: **YES** Business Number: **1348145-0143**

5. If **NO**, the operator was **contacted** contacted on:

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \*\*\*

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 8/26/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/26/2003
3. Bond information entered in RBDMS on: 8/26/2003
4. Fee wells attached to bond in RBDMS on: 8/26/2003

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: n/a

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: n/a

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 103912218
2. The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/26/2003

**COMMENTS:**



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 telephone

(801) 359-3940 fax

(801) 538-7223 TTY

[www.nr.utah.gov](http://www.nr.utah.gov)

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

August 26, 2003

Bruce Williams  
BP America Production Company  
501 WestLake Park Blvd  
Houston, TX 77079

Subject: Notification of Sale or Transfer of Fee Lease Interest

Dear Mr. Williams:

The Division has processed your request for an operator change from BP America Production Company to Merit Energy Company effective July 1, 2003 for the attached list of fee wells.

Utah Administrative Code Rule R649-2-10 states: "The owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred".

This letter is written to advise you of your responsibility to notify all individuals with an interest in these leases (royalty interest and working interest) of the changer. Please provide written documentation of this notification to:

Utah Royalty Owners Association  
PO Box 1292  
Roosevelt, Utah 84066

Your assistance in this matter is appreciated.

Sincerely,

Earlene Russell  
Engineering Technician

Attachment

cc: Merit Energy Company  
Utah Royalty Owners Association



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4798

Lance Taylor  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240-7312

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases.

Dear Mr. Taylor:

Merit Energy Company, as of January 2004, has twenty-four (24) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in or temporary abandonment status. This includes twenty (20) Fee Lease Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Page 2  
January 22, 2004  
Lance Taylor

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

jc  
cc: John Baza  
Well File

|   | Well Name   | API          | Lease Type | Years Inactive  |
|---|-------------|--------------|------------|-----------------|
| 1 | ARE W20-06  | 43-043-30159 | Fee        | 1 Year 2 Months |
| 2 | ARE W31-04E | 43-043-30165 | Fee        | 1 Year 3 Months |
| 3 | ARE W36-10  | 43-043-30227 | Fee        | 1 Year 3 Months |
| 4 | ARE W36-08  | 43-043-30167 | Fee        | 1 Year 7 Months |

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

|    |                       |              |     |                   |
|----|-----------------------|--------------|-----|-------------------|
| 1  | ARE W21-04            | 43-043-30135 | Fee | 1 Year 10 Months  |
| 2  | Champlin 372 Amoco C1 | 43-043-30143 | Fee | 1 Year 11 Months  |
| 3  | ARE W16-06            | 43-043-30138 | Fee | 1 Year 11 Months  |
| 4  | ARE W01-12            | 43-043-30271 | Fee | 2 Years 4 Months  |
| 5  | ARE W30-02            | 43-043-30218 | Fee | 3 Years 2 Months  |
| 6  | ARE W36-14            | 43-043-30255 | Fee | 4 Years 5 Months  |
| 7  | ARE W30-06            | 43-043-30273 | Fee | 5 Years 4 Months  |
| 8  | ARE W20-02            | 43-043-30228 | Fee | 5 Years 4 Months  |
| 9  | ARE W30-13            | 43-043-30279 | Fee | 5 Years 6 Months  |
| 10 | ARE W19-16            | 43-043-30204 | Fee | 5 Years 8 Months  |
| 11 | ARE W20-4             | 43-043-30238 | Fee | 6 Years 3 Months  |
| 12 | ARE W31-12            | 43-043-30190 | Fee | 7 Years 3 Months  |
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| 15 | ARE W20-03            | 43-043-30291 | Fee | 8 Years 1 Month   |
| 16 | ARE W16-14            | 43-043-30096 | Fee | 8 Years 1 Month   |
| 17 | ARE 16-12             | 43-043-30231 | Fee | 8 Years 3 Months  |
| 18 | Champlin 387 B1A      | 43-043-30168 | Fee | 8 Years 6 Months  |
| 19 | ARE W17-16            | 43-043-30176 | Fee | 8 Years 7 Months  |
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State of Utah

Department of  
Natural Resources

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Oil, Gas & Mining

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January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4798

Lance Taylor  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240-7312

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3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Page 2  
January 22, 2004  
Lance Taylor

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1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

jc  
cc: John Baza  
Well File

|   | Well Name   | API          | Lease Type | Years Inactive  |
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| 19 | ARE W17-16            | 43-043-30176 | Fee | 8 Years 7 Months  |
| 20 | ARE E21-14            | 43-043-30130 | Fee | 10 Years 8 Months |



## MERIT ENERGY COMPANY

13727 Noel Road, Suite 500  
Dallas, TX 75240  
Ph: 972-701-8377 Fx: 972-960-1252  
[www.meritenergy.com](http://www.meritenergy.com)

Date: February 13, 2004

Subject: Extended Shut-in wells in the Anschutz Ranch East Field

Dear Mr. Doucet:

In response to your letter dated January 22, 2004, I would like to submit the attached supporting documentation regarding our extended shut-in wells. Merit Energy Company purchased an operating interest in the Anschutz Ranch East Unit from BP Production Company effective July 1, 2003, and has spent the last seven months evaluating the production capability of all active and inactive wells in the field. This process has resulted in workovers that have reestablished production in several of these wells, and revealed future opportunities for all of the others. Here is a quick synopsis of our plans for each well.

- **ARE W20-06-** Workover is planned to immediately reactive this well by running smaller tubing, and putting the well on gas lift. Should be reactivated by mid year 2004.
- **ARE W31-04-** BP attempted a directional reentry of this wellbore in 2001, during which time the drill pipe was inadvertently cemented in the horizontal section of the wellbore. Merit is investigating methods to effectively stimulate this wellbore and return it to production. If unable to do so, it will be plugged.
- **ARE W36-10-** This well will be the first test candidate for an experimental production method for artificial lifting gas wells. An electric submersible pump will be run in this well in the next couple of months in an attempt to reestablish production by removing large volumes of water from the formation. If this project is successful it could lead to the reactivation of virtually every inactive well in the field. The project is approved internally, and we are waiting on equipment and supplies before mobilizing a service rig.
- **ARE W36-08-** This well has been reactivated following a workover last fall. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W21-04-** Surface tubing pressure indicates this well may be capable of producing again. However attempts to return this well to production with the current wellbore configuration have not been successful. Merit plans to install smaller tubing and gas lift on this well. If that is unsuccessful, this well is also a candidate for an electric submersible pump installation. If all attempts to reactivate the Nugget formation fail, this well is a recompletion candidate in the Twin Creek formation.
- **Champlin 372 C-1-** This well is capable of producing for a few days at a time, but quickly loads up with water and dies. Again, this well is a candidate for an electric submersible pump installation, or may be used as a salt water disposal well if additional capacity is needed due to the ESP program.
- **ARE W16-06-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W01-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-02-** An attempt was made to return this well to production last fall, but was unsuccessful due to high water production. Pending the success of the W36-10, this well will also have an electric submersible pump installed.
- **ARE W36-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-06-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W20-02-** A workover has been approved internally to reactivate this well, and should begin in the next few weeks. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W30-13-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W19-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.

RECEIVED

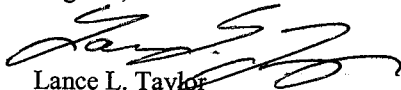
FEB 20 2004

DIV. OF OIL, GAS & MINING

- **ARE W20-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W31-12-** An attempt was made to reactivate this well in late 2003, but was unsuccessful. A sundry notice was filed and approved by the Utah Oil and Gas Commission. An uphole recompletion in the Twin Creek formation is planned and will be completed in the next few months.
- **ARE W01-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W11-01-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W20-03-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W16-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE W16-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **Champlin 387 B-1A-** Merit Energy is in the process of obtaining records from BP for this well. Once historical information is obtained, we will evaluate all feasible methods to return this well to producing status. Otherwise it will be plugged.
- **ARE W17-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE E21-14-** This well was returned to producing status on 12/19/03.

In addition to this information, I have enclosed pressure data for all wells, and a wellbore schematic for all wells except the Champlin 387 B-1A. The static bottom hole pressures and static fluid levels were collected in September 2003 with bottom hole gauges. If you need any further information, please contact me at 972-628-1651 or electronically at [lance.taylor@meritenergy.com](mailto:lance.taylor@meritenergy.com).

Regards,

  
Lance L. Taylor  
Operations Engineer

Cc: Rusty Ginnetti  
Arlene Valliquette  
Dennis Longwell

Attachments: (1) page of pressure data, (23) wellbore schematics

Return-path: <Lance.Taylor@meritenergy.com>  
Received: from imail.meritenergy.com [208.133.141.18]  
by UTSTDP13.state.ut.us; Tue, 24 Feb 2004 07:06:49 -0700  
Subject: Anschutz Ranch East Unit  
To: clintondworshak@utah.gov  
Cc: Rusty Ginnetti <Rusty.Ginnetti@meritenergy.com>,  
Arlene Valliquette <Arlene.Valliquette@meritenergy.com>,  
Dennis Longwell <Dennis.Longwell@meritenergy.com>  
X-Mailer: Lotus Notes Release 5.0.10 March 22, 2002  
Message-ID: <OF2FAC50A1.BE12C251-ON86256E44.004B0584-  
86256E44.004D8670@meritenergy.com>  
From: Lance Taylor <Lance.Taylor@meritenergy.com>  
Date: Tue, 24 Feb 2004 08:06:46 -0600  
X-MIMETrack: Serialize by Router on imail/Meritenergy(Release 6.0.3|September 26, 2003) at  
02/24/2004 08:06:49 AM  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Mr. Dworshak,

I'd like to confirm our 2/23/04 telephone conversation in response to my letter dated 2/13/04 regarding extended shut in and temporarily abandoned wellbores in the Anschutz Ranch East Unit ("ARE Unit") of Summit county Utah. It is Merit Energy Company's intention to utilize each wellbore to it's full capacity. As such, Merit is in the process of attempting to reactivate the wellbores in question. Several wellbore specific workovers have been identified, and the approximate timing of each is mentioned in my original letter.

However, the majority of the reactivation work depends on the successful utilization of electric submersible pumps for artificial lift. It is the timing of this project that I would like to address. As you know, this is a capital intensive project, so Merit plans to do the appropriate research prior to implementation. Merit intends to test the idea on the ARE W36-10 within the next 8-12 weeks. Following a 4-12 week test period, Merit will perform a strenuous economic and operational evaluation. If it is determined that the project is valid, full scale implementation could begin as early as June. However, due to the complexity of the equipment, depth of the wells, and unavailability of service rigs, Merit anticipates this project will take several months, possibly one year, to complete. Due to the large volumes of water to be produced by this project, it is likely that one or more of the shut in wells will need to be reactivated as salt water disposal wells. All regulatory and state documentation will be completed prior to SWD conversion.

Finally, if the ESP project is unsuccessful, several of these wellbore have recompletion potential in shallower formations. Specifically, Merit has identified the Jurassic aged Twin Creek formation as a possible recompletion target. Completion practices must be researched and developed in order to ensure economic quantities of hydrocarbons. Again, all state and federal permits will be approved prior to project implementation.

If after all our efforts to economically reactivate these wells fail, Merit Energy will begin the plug and abandonment process. I trust this will clear up any issues of timing. If you have further questions or concerns please feel free to contact me at any of the numbers below.

Regards,

Lance L. Taylor  
Operations Engineer-Rockies Region  
Merit Energy Company  
direct: 972-628-1651  
fax: 972-701-0351  
mobile: 972-998-9116  
[lance.taylor@meritenergy.com](mailto:lance.taylor@meritenergy.com)



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

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*Division Director*

MICHAEL O. LEAVITT  
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OLENE S. WALKER  
*Lieutenant Governor*

March 5, 2004

CERTIFIED RETURN RECEIPT NO. 7002 0510 0003 8602 4880

Mr. Lance Taylor  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated January 22, 2004.

Dear Mr. Taylor,

The Division of Oil, Gas and Mining (DOGM) is in receipt of your letter dated February 13, 2004 in regards to the twenty-four (24) shut-in wells operated by Merit Energy Company (Merit). DOGM accepts Merit's plan of action to recompleat all twenty-four wells by year-end 2004. Many of the recompletions are dependent upon the success of electric submersible pumps; if this experimental procedure is not successful, keep the Division advised of any changes in Merit's plan of action. Based upon the plan of action and other information provided, DOGM approves the twenty-four (24) wells for extended shut-in until January 1, 2005. Please submit recompletion procedures and notice of intent sundries upon finalization.

For reference, Attachment A lists the wells subject to this request. If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

Dustin Doucet  
Petroleum Engineer

|   | Well Name   | API          | Lease Type | Years Inactive  |
|---|-------------|--------------|------------|-----------------|
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MERIT ENERGY COMPANY

---

13727 Noel Road · Suite 500 · Dallas, Texas 75240  
Ph 972.701.8377 · Fx 972.960.1252 · [www.meritenergy.com](http://www.meritenergy.com)

January 7, 2005

State of Utah – Department of Natural Resources  
Division of Oil, Gas, & Mining  
Attn: Mr. Dustin Doucet  
PO Box 145801  
Salt Lake City, UT 84114-5801

Dear Mr. Doucet:

This letter is in response to a telephone conversation that I had with Clint Dworshak on December 6, 2004. At that time, he requested that I provide information on Merit Energy Company's shut-in wells at Anschutz Ranch East, proving that the ground waters are protected.

Enclosed, please find a summary sheet, as well as wellbore diagrams for the subject wells.

If you have any questions or wish to discuss this further, please contact me at (972) 628-1550 or electronically at [mike.mercer@meritenergy.com](mailto:mike.mercer@meritenergy.com).

Sincerely,

Michael L. Mercer  
Engineering

# UTAH DOGM – SI WELL LIST

## Wells to be Reactivated in 2005

- CHAMPLIN 372 C1
  - Packer at 8,320 (MD) 6,648 (TVD)
  - Top of cement (TOC) at 4,906
  - Tubing Pressure 1250#
  - Casing Pressure 0#
  - The 4-1/2" liner is cemented in place at 5090 (below the TOC). The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-06
  - Packer at 13,398
  - Top of cement (TOC) at 12,640
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - The packer is located below the TOC. When Merit set the packer in October 2004, we pressure tested the annulus to 500 psi and it held. Therefore, the casing has integrity and the ground waters are protected.
- ARE W30-02
  - Packer at none
  - Top of cement (TOC) at 12,452
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 8200' from Surface
  - On 09/02/03, Merit ran a packer in this well and sat it at 13055' (below the TOC). The casing and packer were pressure tested to 1500 psi and held. The packer has since been removed and there is open-ended tubing in the well. However, the casing has integrity and the ground waters are protected.
- ARE W36-14
  - Packer at 13,988
  - Top of cement (TOC) at 13,700
  - Tubing Pressure 400#
  - Casing Pressure 0#
  - The packer is set below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W30-06
  - Packer at 13,450
  - Top of cement (TOC) at 11,200 (7" casing)
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - The packer is set below the TOC. The 9-5/8" casing string has cement f/ 11911-7940. The 13-3/8" casing has cement f/ 5745-1200. With no pressure on the casing, and three strings of casing (7", 9-5/8", 13-3/8"), the ground waters are protected.
- ARE W30-13
  - Packer at 12,320
  - Top of cement (TOC) at 12,200
  - Tubing Pressure 300#
  - Casing Pressure 0#
  - The packer is set below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.

## UTAH DOGM – SI WELL LIST

- ARE W31-12
  - Packer at none
  - Top of cement (TOC) at 10,700
  - Casing Pressure 100#
  - Fluid Level 1000' from Surface
  - There is not a packer or tubing in this well. The static fluid level is 1000' from surface. There is a 13-3/8" casing string set at 2846', a 9-5/8" casing string set at 10272', and a 7" tie-back casing string set at 9919'. These three casing strings are protecting the ground waters.

### Wells with No Immediate Plans

- ARE W31-04
  - Packer at 14,000
  - Top of cement (TOC) at 11,900
  - Tubing Pressure 1100#
  - Casing Pressure 50#
  - This well is a horizontal sidetrack. The primary cement job on the original production casing had a TOC at 11,900. The kick-off point for the horizontal leg is below this depth. Additionally, the drill string was cemented in the horizontal section with the TOC estimated to be between 13126 and 13310. Based on the fact that the tubing and casing pressures are different, the two are not in communication and therefore, the ground waters are protected.
- ARE W01-12
  - Packer at 14,317
  - Top of cement (TOC) at 14,290
  - Tubing Pressure 300#
  - Casing Pressure 0#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W19-16
  - Packer at 9,756
  - Top of cement (TOC) at unknown
  - Tubing Pressure 1000#
  - Casing Pressure 0#
  - The packer is located in the "Tie-Back" casing string. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W20-04
  - Packer (PBR) at 10,489
  - Top of cement (TOC) at 9,415 (9-5/8" & 9-7/8" casing string)
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 9600' from Surface
  - The tubing is tied into the 5" liner with a polish bore receptacle (PBR) at 10,489. The TOC for the intermediate casing is above this point (at 9,415). The static fluid level is at 9600' (below the TOC), therefore, the ground waters are protected.
- ARE W01-04
  - Packer at 13,891
  - Top of cement (TOC) at 13,600
  - Tubing Pressure 1400#
  - Casing Pressure 100#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.

## UTAH DOGM – SI WELL LIST

- ARE W11-01
  - Packer at 12,733
  - Top of cement (TOC) at 12,100
  - Tubing Pressure 1500#
  - Casing Pressure 50#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W20-03
  - Packer at 13,271
  - Top of cement (TOC) at 12,600
  - Tubing Pressure 1400#
  - Casing Pressure 75#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-14
  - Packer (PBR) at 10,500
  - Top of cement (TOC) at 9,650 (9-5/8" casing)
  - Tubing Pressure 1500#
  - Casing Pressure 850#
  - The tubing is tied into the 4-1/2" liner with a PBR at 10,500. This is below the TOC for the 9-5/8" casing string. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-12
  - Packer at 10,304
  - Top of cement (TOC) at 10,100 (9-5/8" casing)
  - Tubing Pressure 50#
  - Casing Pressure 0#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- CHAMPLIN 387 B1A
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 5200' from surface
  - Merit has no wellfiles regarding this well. We are currently trying to obtain information on this well
- ARE W17-16
  - Packer (PBR) at 10,237
  - Top of cement (TOC) at 10,371 (7-5/8" casing)
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 8400' from Surface
  - The tubing is tied into the 5" liner with a PBR at 10,237. There is a 13-3/8" casing string set at 2526', a 9-5/8" casing string set at 10701', and a 7" tie-back casing string set at 10237'. These three casing strings are protecting the ground waters.

Has an additional 20" surface casing string set @ 331', not shown on WBS

Based on 12/10/93 Pulling Report

[illegible]

13488-551, 13559-575  
13581-613, 13619-640  
13669-708, 13741-833  
13845-869, 13877-911  
13934-963

# MERIT ENERGY COMPANY

## Anschutz Ranch East Unit

|   | WELLS        | API Number   | Tubing Pressure | Casing Pressure | STATUS ON / OFF | Static BHP | Static Fluid Level |
|---|--------------|--------------|-----------------|-----------------|-----------------|------------|--------------------|
| 1 | ARE# W20-06  | 43-043-30159 | 100             | 200             | Shut In         | 1835       | 7500-9000'         |
| 2 | ARE# W31-04E | 43-043-30165 | 1200            | 0               | Shut In         | ?          | ?                  |
| 3 | ARE# W36-10  | 43-043-30227 | 100             | 0               | Shut In         | 3042       | 7500-9000'         |
| 4 | ARE# W36-08  | 43-043-30167 | 100             | 100             | Producing       | 2844       | 6000-7500'         |

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

|    |                             |              |      |      |           |      |            |
|----|-----------------------------|--------------|------|------|-----------|------|------------|
| 1  | ARE# W21-04<br>Champlin 372 | 43-043-30135 | 1850 | 450  | Shut In   | 4130 | 12000'     |
| 2  | Amoco #C-1                  | 43-043-30143 | 0    | 0    | Shut In   | ?    | ?          |
| 3  | ARE# W16-06                 | 43-043-30138 | 0    | 0    | Shut In   | ?    | ?          |
| 4  | ARE# W01-12                 | 43-043-30271 | 600  | 0    | Shut In   | 4181 | 7500-9000' |
| 5  | ARE# W30-02                 | 43-043-30218 | 0    | 0    | Shut In   | ?    | ?          |
| 6  | ARE# W36-14                 | 43-043-30255 | 2200 | 1500 | Shut In   | 3420 | Perfs      |
| 7  | ARE# W30-06                 | 43-043-30273 | 0    | 0    | Shut In   | 2397 | 6000-7500' |
| 8  | ARE# W20-02                 | 43-043-30228 | 100  | 100  | Shut In   | ?    | ?          |
| 9  | ARE# W30-13                 | 43-043-30279 | 900  | 0    | Shut In   | 3030 | 7500-9000' |
| 10 | ARE# W19-16                 | 43-043-30204 | 1400 | 0    | Shut In   | 2645 | Perfs      |
| 11 | ARE# W20-04                 | 43-043-30238 | 0    | 0    | Shut In   | ?    | ?          |
| 12 | ARE# W31-12                 | 43-043-30190 | 20   | 450  | Shut In   | 3494 | 4500-6000' |
| 13 | ARE# W01-04                 | 43-043-30270 |      |      | Shut In   | 4505 | 7500-9000' |
| 14 | ARE# W11-01                 | 43-043-30277 | 1300 | 50   | Shut In   | 4575 | 6000-7500' |
| 15 | ARE# W20-03                 | 43-043-30291 | 1800 | 75   | Shut In   | 3890 | 10500'     |
| 16 | ARE# W16-14                 | 43-043-30096 | 0    | 800  | Shut In   | 4570 | 6000-7500' |
| 17 | ARE#16-12<br>Champlin 387   | 43-043-30231 | 0    | 0    | Shut In   | 4781 | 1500-3000' |
| 18 | #B-1A                       | 43-043-30168 | 0    | 0    | Shut In   | ?    | ?          |
| 19 | ARE# W17-16                 | 43-043-30176 | 1100 | 0    | Shut In   | 4734 | 3000-4500' |
| 20 | ARE# E21-14                 | 43-043-30130 | 200  | 150  | Producing | 3926 | Perfs      |

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# MERIT ENERGY COMPANY

## Anschutz Ranch East Unit

|   | WELLS        | API Number   | Tubing Pressure      | Casing Pressure | STATUS ON / OFF | Static BHP | Static Fluid Level |
|---|--------------|--------------|----------------------|-----------------|-----------------|------------|--------------------|
| 1 | ARE# W20-06  | 43-043-30159 | 100                  | 200             | Shut In         | 1835       | 7500-9000'         |
| 2 | ARE# W31-04E | 43-043-30165 | 1200 <sup>1100</sup> | 0 <sup>50</sup> | Shut In         | ?          | ?                  |
| 3 | ARE# W36-10  | 43-043-30227 | 100                  | 0               | Shut In         | 3042       | 7500-9000'         |
| 4 | ARE# W36-08  | 43-043-30167 | 100                  | 100             | Producing       | 2844       | 6000-7500'         |

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

|    |              |              |                      |                    |             |      |            |
|----|--------------|--------------|----------------------|--------------------|-------------|------|------------|
| 1  | ARE# W21-04  | 43-043-30135 | 1850                 | 450                | Shut In     | 4130 | 12000'     |
| 2  | Champlin 372 |              | 1250                 | 0                  | Perfs 6648' |      |            |
| 3  | Amoco #C-1   | 43-043-30143 | 0                    | 0                  | Shut In     | ?    | ?          |
| 4  | ARE# W16-06  | 43-043-30138 | 0                    | 0                  | Shut In     | ?    | ± 2100'    |
| 5  | ARE# W01-12  | 43-043-30271 | 600 <sup>300</sup>   | 0                  | Shut In     | 4181 | 7500-9000' |
| 6  | ARE# W30-02  | 43-043-30218 | 0                    | 0                  | Shut In     | ?    | ?          |
| 7  | ARE# W36-14  | 43-043-30255 | 2200 <sup>400</sup>  | 1500 <sup>0</sup>  | Shut In     | 3420 | Perfs      |
| 8  | ARE# W30-06  | 43-043-30273 | 0                    | 0                  | Shut In     | 2397 | 6000-7500' |
| 9  | ARE# W20-02  | 43-043-30228 | 100                  | 100                | Shut In     | ?    | ?          |
| 10 | ARE# W30-13  | 43-043-30279 | 900 <sup>300</sup>   | 0                  | Shut In     | 3030 | 7500-9000' |
| 11 | ARE# W19-16  | 43-043-30204 | 1400 <sup>1000</sup> | 0                  | Shut In     | 2645 | Perfs      |
| 12 | ARE# W20-04  | 43-043-30238 | 0                    | 0                  | Shut In     | ?    | ?          |
| 13 | ARE# W31-12  | 43-043-30190 | 20 <sup>100</sup>    | 450 <sup>100</sup> | Shut In     | 3494 | 4500-6000' |
| 14 | ARE# W01-04  | 43-043-30270 | 1400                 | 100                | Shut In     | 4505 | 7500-9000' |
| 15 | ARE# W11-01  | 43-043-30277 | 1300 <sup>1500</sup> | 50 <sup>50</sup>   | Shut In     | 4575 | 6000-7500' |
| 16 | ARE# W20-03  | 43-043-30291 | 1800 <sup>1400</sup> | 75 <sup>75</sup>   | Shut In     | 3890 | 10500'     |
| 17 | ARE# W16-14  | 43-043-30096 | 0 <sup>1500</sup>    | 800 <sup>850</sup> | Shut In     | 4570 | 6000-7500' |
| 18 | ARE#16-12    | 43-043-30231 | 0 <sup>50</sup>      | 0                  | Shut In     | 4781 | 1500-3000' |
| 19 | Champlin 387 |              | 0                    | 0                  | Shut In     | ?    | ?          |
| 20 | #B-1A        | 43-043-30168 | 0                    | 0                  | Shut In     | ?    | ?          |
| 21 | ARE# W17-16  | 43-043-30176 | 1100 <sup>0</sup>    | 0                  | Shut In     | 4734 | 3000-4500' |
| 22 | ARE# E21-14  | 43-043-30130 | 200                  | 150                | Producing   | 3926 | Perfs      |

Champlin 372 → Pressure from 0 to 1250 psi (tubing) No FL Perfs @ 6648' 22040  
 ARE# W36-14 → Pressure from 1500 to 0 FL @ 4066' BHP = 3420 psi (1432 psi surf)  
 ARE# W16-14 → Tbg from 0 to 1500 psi, csg remained @ ± 850 psi FL @ 4066' Perfs @ 4066' BHP = 3420 psi (1432 psi surf)  
 ARE# W17-16 → Tbg from 1100 to 0 FL from 4000' to 8400' FL @ 4000' Perfs @ 4066' BHP = 3420 psi (1432 psi surf)  
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 FL @ 8400' Perfs @ 4066' BHP = 3420 psi (1432 psi surf)  
 FL @ 8400' Perfs @ 4066' BHP = 3420 psi (1432 psi surf)

**From:** Mike Mercer <Mike.Mercer@meritenergy.com>  
**To:** "Dustin Doucet" <dustindoucet@utah.gov>  
**Date:** 4/7/2005 3:12:05 PM  
**Subject:** Re: SI/TA integrity questions

On the W16-14, the production foreman did have to replace the gauge to get the new (correct) reading.

On the W17-16, the pressures and fluid levels were actually taken off of a swab report (they did not get "static" readings), which explains why the fluid level (and tubing pressure) was so much lower.

Hope this takes care of you, if not, please call.

Thanks

Michael L. Mercer  
Engineering  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240  
(972) 628-1550 Direct  
(972) 960-1252 Fax

"Dustin Doucet"  
<dustindoucet@utah.gov>  
To  
<Mike.Mercer@meritenergy.com>  
03/11/2005 04:14 PM cc  
Subject  
Re: SI/TA integrity questions

Mike,

Thanks for the info. A couple more questions. On the 16-14 and 17-16 do you figure the readings or gauges were incorrect last year or is there some other reason for the change in pressures?

Dustin

>>> Mike Mercer <Mike.Mercer@meritenergy.com> 03/11/05 1:48 PM >>>

Dustin,

Sorry it has taken me so long to get back with you...in response to your email, most are easily explained...(see below in red)

Regarding the W30-14, we are installing ESPs on either side of this well, we have a service company designing gas lift for this well and are evaluating a reactivation following the ESP installations. If we do not have the well reactivated in the next couple of months, I will provide you with the wellbore diagram, pressures, and fluid level.

Let me know if you need anything else. Thanks

Michael L. Mercer  
Engineering  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240  
(972) 628-1550 Direct  
(972) 960-1252 Fax

"Dustin Doucet"

<dustindoucet@uta

h.gov>

To

<mike.mercer@meritenergy.com>

02/16/2005 04:04

cc

PM

Subject

SI/TA integrity questions

Mike,

I finally looked at the packet you provided us at our January 10th meeting and had questions that you may be able to answer on four wells.

My questions deal with pressure and fluid level changes that I didn't have enough info to explain why they changed. Also, I want to give you

a heads up that another well came on to the SI/TA list this year. It is

the ARE W 30-14 (API 43-043-30185). A similar plan/integrity scenario will have to be followed on this well as we've done with the current SI/TA wells. The four wells that I had questions on are as follows:

Champlin 372 - Tbg pressure went from 0 last year to 1250 psi this year ~~SWAB TESTED 2004~~

ARE W 36-14 - Tbg pressure went from 2200 to 400 psi, csg pressure went -

from 1500 to 0 WE PULLED THE OLD PKR, RAN A TEST PKR, ~~SWABBED TESTED, AND~~

~~RAN THE ESP (WE HAVE HAD PROBLEMS, BUT WE HAVE ESTABLISHED COMMERCIAL PRODUCTION)~~

ARE W 16-14 - Tbg pressure went from 0 to 1500 psi, csg pressure did stay constant at ~ 850psi which is probably good, although pressure on the backside doesn't make me feel all warm and fuzzy WE HAVE NOT DONE ANYTHING

ARE W 17-16 - Tbg pressure went from 1100 to 0 psi, FL went from 4000' to 8400' opposite of what you would expect hydrostatically based off of

the pressure change ~~SWAB TESTED 2004 (FUTURE ESP INSTALLATION)~~

All in all I don't have a lot of concern for lack of integrity, but if you could provide me with some explanations as to why some of these changes occurred on these 4 wells, I would appreciate it. The good news

is that you are reactivating two of the four wells this year.

Hopefully, this email makes some sense. Give me a call if you like and

we can discuss or respond via email. Thanks.

Dustin

Dustin Doucet  
Petroleum Engineer



MERIT ENERGY COMPANY

13727 Noel Road · Suite 500 · Dallas, Texas 75240  
Ph 972.701.8377 · Fx 972.960.1252 · www.meritenergy.com

November 10, 2004

State of Utah – Department of Natural Resources  
Division of Oil, Gas, & Mining  
Attn: Mr. Dustin Doucet  
PO Box 145801  
Salt Lake City, UT 84114-5801

Dear Mr. Doucet:

In a letter dated February 13, 2004, Merit Energy Company informed the DOGM of plans to reactivate twenty-four (24) shut-in wells. Based on this information, on March 5, 2004, the DOGM granted Merit a shut-in extension until January 1, 2005. In April, the engineer working the Anschutz Ranch East (Anschutz) field left Merit. He was replaced by a second engineer that left Merit in August. As a result of this turnover, there has been no continuity at Anschutz. Regretfully, Merit will not have these wells reactivated by January 1, 2005.

I took over as the Operations Engineer at Anschutz in August. On October 6, 2004, I called to discuss this situation with you. You requested that Merit submit a letter stating what work has been completed as well as our future plans.

The largest problem at Anschutz is water. Several wells have loaded up and died as a result of water production. Merit has been investigating several methods to remove the water and reestablish commercial gas production.

"Co-production"

As outlined in the February letter, Merit had plans to attempt "co-production" at Anschutz. "Co-production" is simply utilizing an electric submersible pump (ESP) to remove the water. Our first test candidate was the ARE W36-10. On July 15, 2004, we started the ESP. To date, results have been exceptional. The maximum gas rate that we have seen is 355 mcf/d. This is more than enough to justify the cost of the installation. Average production has been 200 mcf/d and 1200 bwpd.

The only drawback to "co-production" is installing power to location. Without knowing how the well will perform, Merit is hesitant to invest the capital upfront for power installation. Additionally, it took the power company approximately six months to perform the installation.

Although Merit is pleased with the results of "co-production", we have developed a new plan. We are currently preparing a generator to provide temporary power to location. Future installations will be performed on a temporary basis. If the well proves to be a success, an order for permanent power will be placed with the power company. This allows Merit the flexibility to test several shut-in wells without spending unnecessary capital.

We are currently in the process of preparing the ARE W16-06 for an ESP installation. Additional wells that are currently identified for potential ESP installations are the ARE W30-02, W30-06, W30-13, and W36-14. Merit anticipates having these wells tested during 2005. Further installations will be determined based on the success of the above mentioned wells.

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Capillary Strings

Merit has also begun utilizing capillary strings to inject soap downhole to assist the well in lifting the produced water. We currently have five (5) capillary strings in service at Anschutz and are planning on installing four (4) more before the end of the year.

Gas Lift

Although gas lift is not new to Anschutz, Merit has been trying to extend its capabilities. Our first hurdle regarding gas lift is obtaining additional lift gas capacity. We currently utilize sales gas for gas lift. Based on our current compression, we are limited to 4 mmcf of lift gas. In addition to increasing our gas lift capability, Merit is exploring the idea of utilizing nitrogen for gas lift.

With that being said, we currently have seventeen wells capable of being gas lifted. Due to our limited lift gas capacity, only six (6) wells are currently being gas lifted.

Additionally, Merit is working with several service companies to explore ways to gas lift from below the packer. There are several wells at Anschutz that have one to two thousand feet of pay. As a result, conventional gas lift may or may not be effective. We have tried one method of gas lifting from below the packer and the results are great. However, this method is not a "cure-all". It will only work on select wells. We will continue to look for wells capable of being lifted in this manner. We are in the process of identifying a candidate to test another method of gas lifting from below the packer. As soon as the well is identified, the installation will be performed.

While Merit is still in the early phase of developing completion techniques to adequately produce the wells at Anschutz, we are making great progress. We have had to think "out-of-the-box" to come up with creative ways to remove the water and increase the gas and are exhausting all resources to improve production and reduce idle wellbores.

I have attached the February 13 letter as well as our current plans for the 24 wells.

If you have any questions or require additional information, please contact me at (972) 628-1550 or electronically at [mike.mercer@meritenergy.com](mailto:mike.mercer@meritenergy.com).

Sincerely,



Michael L. Mercer  
Operations Engineering



## MERIT ENERGY COMPANY

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13727 Noel Road, Suite 500  
Dallas, TX 75240  
Ph: 972-701-8377 Fx: 972-960-1252  
[www.meritenergy.com](http://www.meritenergy.com)

Date: February 13, 2004

Subject: Extended Shut-in wells in the Anschutz Ranch East Field

Dear Mr. Doucet:


In response to your letter dated January 22, 2004, I would like to submit the attached supporting documentation regarding our extended shut-in wells. Merit Energy Company purchased an operating interest in the Anschutz Ranch East Unit from BP Production Company effective July 1, 2003, and has spent the last seven months evaluating the production capability of all active and inactive wells in the field. This process has resulted in workovers that have reestablished production in several of these wells, and revealed future opportunities for all of the others. Here is a quick synopsis of our plans for each well.

- **ARE W20-06-** Workover is planned to immediately reactive this well by running smaller tubing, and putting the well on gas lift. Should be reactivated by mid year 2004.
- **ARE W31-04-** BP attempted a directional reentry of this wellbore in 2001, during which time the drill pipe was inadvertently cemented in the horizontal section of the wellbore. Merit is investigating methods to effectively stimulate this wellbore and return it to production. If unable to do so, it will be plugged.
- **ARE W36-10-** This well will be the first test candidate for an experimental production method for artificial lifting gas wells. An electric submersible pump will be run in this well in the next couple of months in an attempt to reestablish production by removing large volumes of water from the formation. If this project is successful it could lead to the reactivation of virtually every inactive well in the field. The project is approved internally, and we are waiting on equipment and supplies before mobilizing a service rig.
- **ARE W36-08-** This well has been reactivated following a workover last fall. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W21-04-** Surface tubing pressure indicates this well may be capable of producing again. However attempts to return this well to production with the current wellbore configuration have not been successful. Merit plans to install smaller tubing and gas lift on this well. If that is unsuccessful, this well is also a candidate for an electric submersible pump installation. If all attempts to reactivate the Nugget formation fail, this well is a recompletion candidate in the Twin Creek formation.
- **Champlin 372 C-1-** This well is capable of producing for a few days at a time, but quickly loads up with water and dies. Again, this well is a candidate for an electric submersible pump installation, or may be used as a salt water disposal well if additional capacity is needed due to the ESP program.
- **ARE W16-06-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W01-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-02-** An attempt was made to return this well to production last fall, but was unsuccessful due to high water production. Pending the success of the W36-10, this well will also have an electric submersible pump installed.
- **ARE W36-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-06-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W20-02-** A workover has been approved internally to reactivate this well, and should begin in the next few weeks. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W30-13-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W19-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.

- **ARE W20-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W31-12-** An attempt was made to reactivate this well in late 2003, but was unsuccessful. A sundry notice was filed and approved by the Utah Oil and Gas Commission. An uphole recompletion in the Twin Creek formation is planned and will be completed in the next few months.
- **ARE W01-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W11-01-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W20-03-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W16-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE W16-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **Champlin 387 B-1A-** Merit Energy is in the process of obtaining records from BP for this well. Once historical information is obtained, we will evaluate all feasible methods to return this well to producing status. Otherwise it will be plugged.
- **ARE W17-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE E21-14-** This well was returned to producing status on 12/19/03.

In addition to this information, I have enclosed pressure data for all wells, and a wellbore schematic for all wells except the Champlin 387 B-1A. The static bottom hole pressures and static fluid levels were collected in September 2003 with bottom hole gauges. If you need any further information, please contact me at 972-628-1651 or electronically at [lance.taylor@meritenergy.com](mailto:lance.taylor@meritenergy.com).

Regards,

  
Lance L. Taylor  
Operations Engineer

Cc: Rusty Ginnetti  
Arlene Valliquette  
Dennis Longwell

Attachments: (1) page of pressure data, (23) wellbore schematics

|   | Well Name   | API          | Lease Type | Years Inactive  |
|---|-------------|--------------|------------|-----------------|
| 1 | ARE W20-06  | 43-043-30159 | Fee        | 1 Year 2 Months |
| 2 | ARE W31-04E | 43-043-30165 | Fee        | 1 Year 3 Months |
| 3 | ARE W36-10  | 43-043-30227 | Fee        | 1 Year 3 Months |
| 4 | ARE W36-08  | 43-043-30167 | Fee        | 1 Year 7 Months |

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

|    |                       |              |     |                   |
|----|-----------------------|--------------|-----|-------------------|
| 1  | ARE W21-04            | 43-043-30135 | Fee | 1 Year 10 Months  |
| 2  | Champlin 372 Amoco C1 | 43-043-30143 | Fee | 1 Year 11 Months  |
| 3  | ARE W16-06            | 43-043-30138 | Fee | 1 Year 11 Months  |
| 4  | ARE W01-12            | 43-043-30271 | Fee | 2 Years 4 Months  |
| 5  | ARE W30-02            | 43-043-30218 | Fee | 3 Years 2 Months  |
| 6  | ARE W36-14            | 43-043-30255 | Fee | 4 Years 5 Months  |
| 7  | ARE W30-06            | 43-043-30273 | Fee | 5 Years 4 Months  |
| 8  | ARE W20-02            | 43-043-30228 | Fee | 5 Years 4 Months  |
| 9  | ARE W30-13            | 43-043-30279 | Fee | 5 Years 6 Months  |
| 10 | ARE W19-16            | 43-043-30204 | Fee | 5 Years 8 Months  |
| 11 | ARE W20-4             | 43-043-30238 | Fee | 6 Years 3 Months  |
| 12 | ARE W31-12            | 43-043-30190 | Fee | 7 Years 3 Months  |
| 13 | ARE W01-04            | 43-043-30270 | Fee | 7 Years 4 Months  |
| 14 | ARE W11-01            | 43-043-30277 | Fee | 7 Years 4 Months  |
| 15 | ARE W20-03            | 43-043-30291 | Fee | 8 Years 1 Month   |
| 16 | ARE W16-14            | 43-043-30096 | Fee | 8 Years 1 Month   |
| 17 | ARE 16-12             | 43-043-30231 | Fee | 8 Years 3 Months  |
| 18 | Champlin 387 B1A      | 43-043-30168 | Fee | 8 Years 6 Months  |
| 19 | ARE W17-16            | 43-043-30176 | Fee | 8 Years 7 Months  |
| 20 | ARE E21-14            | 43-043-30130 | Fee | 10 Years 8 Months |

## UTAH DOGM – SI WELL LIST

- **ARE W20-06** – worked over in 2004, selectively swab tested individual zones. Installed gas lift (GL) equipment. Currently intermittently producing when lift gas is available.
- **ARE W31-04** – no immediate plans, will evaluate for reactivation.
- **ARE W36-10** – installed ESP. The well is producing.
- **ARE W36-08** – the well was reactivated in the fall of 2003. A capillary string was installed in September 2004. The well is producing.
- **ARE W21-04** – worked over in 2004. Installed GL equipment. Currently intermittently producing when lift gas is available.
- ✓ **CHAMPLIN 372 C1** – swabbed in October 2004. Swab results were encouraging. There are no production facilities or flowlines in place. We are in the process of purchasing a gas testing unit. Once the unit is in our possession, we will flow test this well and evaluate the economics of installing surface facilities.
- ✓ **ARE W16-06** – swabbed in November 2004. Currently sizing ESP and reconditioning generator for test. Anticipate having ESP running by end of the year.
- **ARE W01-12** – no immediate plans, will evaluate for reactivation.
- **ARE W30-02** – plan to install ESP in 2005 for test.
- **ARE W36-14** – plan to install ESP in 2005 for test.
- **ARE W30-06** – plan to install ESP in 2005 for test.
- **ARE W20-02** – worked over in 2004. Installed GL equipment. Currently intermittently producing when lift gas is available.
- **ARE W30-13** – plan to install ESP in 2005 for test.
- **ARE W19-16** – no immediate plans, will evaluate for reactivation.
- **ARE W20-04** – no immediate plans, will evaluate for reactivation.
- ✓ **ARE W31-12** – plan to test the Nugget, if unsuccessful, will attempt a Twin Creek completion.
- **ARE W01-04** – no immediate plans, will evaluate for reactivation.
- **ARE W11-01** – no immediate plans, will evaluate for reactivation.
- **ARE W20-03** – no immediate plans, will evaluate for reactivation.
- **ARE W16-14** – no immediate plans, will evaluate for reactivation.
- **ARE W16-12** – no immediate plans, will evaluate for reactivation.
- **CHAMPLIN 387 B1A** – no immediate plans, will evaluate for reactivation.
- **ARE W17-16** – no immediate plans, will evaluate for reactivation.
- **ARE E21-14** – the well was reactivated in December 2003. The well is producing.



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 8, 2005

Merit Energy Company  
Attn: Michael L. Mercer  
13727 Noel Road, Suite 500  
Dallas, Texas 75240

Re: Approval for Extension of Shut-in or Temporarily Abandoned Status for Wells  
on Fee or State Leases

Dear Mr. Mercer:

The Division of Oil, Gas and Mining (the "Division") is in receipt of your letters dated November 10, 2004 (received by the Division on November 12, 2004) and January 7, 2005 (received by the Division on January 10, 2005) in regards to the twenty-four (24) shut-in wells operated by Merit Energy Company ("Merit"). The Division understands that six of these wells were put back into production in 2004. Merit's original plan was to return all twenty-four wells to production in 2004. Because of power restrictions, etc., Merit was unable to achieve that target. It is now the Division's understanding that Merit plans to return seven more wells to production in 2005 by installing an ESP. The Division understands that Merit is also investigating other methods to assist in lifting the water (e.g. capillary strings). Depending on the success of the wells with ESP's installed, the wells currently on Gas Lift, and the success of the other methods, the remaining 11 wells will either be plugged or put into production.

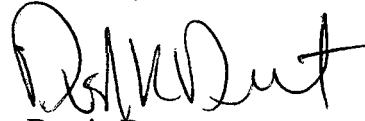
Based on the submitted information and plan of action, the Division approves your request for extended SI/TA for the eighteen (18) remaining SI/TA wells (see attachment A) until January 1, 2006. The operator should continue to monitor the wells by documenting pressures and fluid levels on a periodic basis. Any significant change in pressure or fluid level should be reported to the Division immediately. Remedial action may be necessary.

In addition to the twenty-four wells mentioned above, Merit also has one new well for 2005 that requires approval for extended SI/TA. The well is the ARE W30-14 (API # 43-043-30185). Our records indicate that this well has been SI/TA since February of 2003. Merit must submit their future plans for this well and information that demonstrates the well has integrity and is not a risk to public health and safety or the environment (R649-3-36-1.1 to 1.3).

Page 2  
Merit Energy Company  
April 8, 2005

The required information should be submitted to the Division within 30 days of the date of this letter or further actions may be initiated. If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dustin Doucet', with a stylized, cursive script.

Dustin Doucet  
Petroleum Engineer

DKD:jc  
Attachment  
cc: Well File

# ATTACHMENT A

4N 8 E 20

|    | Well Name              | API          | Lease Type | Years Inactive   |
|----|------------------------|--------------|------------|------------------|
| 1  | ARE W31-04E            | 43-043-30165 | Fee        | 2 Year 3 Months  |
| 2  | Champlin 372 Amoco C 1 | 43-043-30143 | Fee        | 2 Year 11 Months |
| 3  | ARE W16-06             | 43-043-30138 | Fee        | 2 Year 11 Months |
| 4  | ARE W01-12             | 43-043-30271 | Fee        | 3 Years 4 Months |
| 5  | ARE W30-02             | 43-043-30218 | Fee        | 4 Years 2 Months |
| 6  | ARE W36-14             | 43-043-30255 | Fee        | 5Years 5 Months  |
| 7  | ARE W30-06             | 43-043-30273 | Fee        | 6 Years 4 Months |
| 8  | ARE W30-13             | 43-043-30279 | Fee        | 6 Years 6 Months |
| 9  | ARE W19-16             | 43-043-30204 | Fee        | 6 Years 8 Months |
| 10 | ARE W20-04             | 43-043-30238 | Fee        | 7 Years 3 Months |
| 11 | ARE W31-12             | 43-043-30190 | Fee        | 8 Years 3 Months |
| 12 | ARE W01-04             | 43-043-30270 | Fee        | 8 Years 4 Months |
| 13 | ARE W11-01             | 43-043-30277 | Fee        | 8 Years 4 Months |
| 14 | ARE W20-03             | 43-043-30291 | Fee        | 9 Years 1 Month  |
| 15 | ARE W16-14             | 43-043-30096 | Fee        | 9 Years 1 Month  |
| 16 | ARE W16-12             | 43-043-30231 | Fee        | 9 Years 3 Months |
| 17 | Champlin 387 B1A       | 43-043-30168 | Fee        | 9 Years 6 Months |
| 18 | ARE W17-16             | 43-043-30176 | Fee        | 9 Years 7 Months |

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

|   |  |
|---|--|
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____ | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>FEE         |
| 2. NAME OF OPERATOR:<br>MERIT ENERGY COMPANY  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>NA            |
| 3. ADDRESS OF OPERATOR:<br>13727 NOEL ROAD, #500 CITY DALLAS STATE TX ZIP 75240                               | 7. UNIT or CA AGREEMENT NAME:<br>ANSCHUTZ RANCH EAST   |
| PHONE NUMBER:<br>(972) 628-1435   | 8. WELL NAME and NUMBER:<br>ARE W20-03                 |
| 9. API NUMBER:<br>4304330291  | 10. FIELD AND POOL, OR WILDCAT:<br>ANSCHUTZ RANCH EAST |

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 641 FSL & 1810 FWL COUNTY: SUMMIT  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 20 4N 8E STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |  |
|--|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____             | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                               | <input type="checkbox"/> REPERFORATE CURRENT FORMATION   |
|  | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                       | <input type="checkbox"/> SIDETRACK TO REPAIR WELL        |
|  | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                     | <input type="checkbox"/> TEMPORARILY ABANDON             |
|  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                      | <input type="checkbox"/> TUBING REPAIR                   |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:<br>1/7/2007 | <input checked="" type="checkbox"/> CHANGE TUBING       | <input type="checkbox"/> PLUG AND ABANDON                     | <input type="checkbox"/> VENT OR FLARE                   |
|  | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                            | <input type="checkbox"/> WATER DISPOSAL                  |
|  | <input type="checkbox"/> CHANGE WELL STATUS             | <input checked="" type="checkbox"/> PRODUCTION (START/RESUME) | <input type="checkbox"/> WATER SHUT-OFF                  |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE             | <input checked="" type="checkbox"/> OTHER: Re-activation |
|  | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION     |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

12/18/06 - 01/07/07: MIRU. Pressure test casing to 1500 psi for 30 mins. Release R-3 PKR. TOO H w/2-7/8", 8.6#, N-80 VAM. TIH w/6" rock bit & 7" casing scraper. Hit tight spot @ 13,402'. TOO H w/bit & scraper. TIH w/5.97" bladed mill. Mill out scale to 14066' (new PBD). TOO H. TIH w/gas lift design. Land production tubing. ND BOP's. NU Wellhead. Make flowline & gas lift line tie-ins. Kick well off.

01/23/07: 102 MCF, 1427 GL, 0 BO, 176 BW IN 24 HRS.

NAME (PLEASE PRINT) Paula D. Clark TITLE Regulatory Analyst  
SIGNATURE Paula D. Clark DATE 2/12/2007

(This space for State use only)

RECEIVED

FEB 16 2007

DIV. OF OIL, GAS & MINING



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

43 043 30291  
ARE W20-03  
4N 8E 20

July 6, 2010

CERTIFIED MAIL NO.: 7004 1160 0003 0190 4567

Ms. Michal K. White  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Ms. White:

As of June 30, 2010, Merit Energy Company (Merit) has seven (7) Fee Lease Wells (see attachment A) that have recently been added as being in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. These are in addition to the 18 other wells in elevated levels of compliance. Many of these wells have been noticed in previous years and were put online for a short period of time and are now back in non-compliance.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.

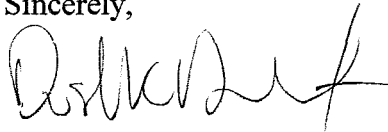
Page 2  
July 6, 2010  
Ms. White

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/js

cc: Compliance File  
Well Files

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# ATTACHMENT A

|   | Well Name  | API        | LEASE | Years Inactive |
|---|------------|------------|-------|----------------|
| 1 | ARE W30-10 | 4304330215 | FEE   | 1.11           |
| 2 | ARE W20-09 | 4304330286 | FEE   | 1.4            |
| 3 | ARE W20-03 | 4304330291 | FEE   | 1.10           |
| 4 | ARE W32-04 | 4304330162 | FEE   | 1.0            |
| 5 | ARE E21-14 | 4304330130 | FEE   | 1.1            |
| 6 | ARE W21-04 | 4304330135 | FEE   | 1.10           |
| 7 | ARE W20-08 | 4304330123 | FEE   | 1.10           |



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 6, 2011

CERTIFIED MAIL NO. 7005 1820 0001 5562 9825

Ms. Michal K. White  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240

43 043 30291  
ARE W20-03  
4N 8E 20

Subject: **Second Notice of Extended Shut-in and Temporarily Abandoned Well Requirements for Fee or State Leases**

Dear Ms. White:

As of January 1, 2011, Merit Energy Company ("Merit") has twenty three (23) Fee Lease Wells that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Eight (8) of these wells (Attachment A) are in addition to six (6) wells already given a second notice and nine (9) wells issued a Notice of Violation on June 30, 2010. All wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

On July 6, 2010, the Division notified Merit by certified mail that the wells listed on attachment A were in non-compliance. Merit was given 30 days to respond with required information regarding said wells. It has been almost 1 year since the notice was sent whereas Merit has not responded or shown effort to bring these wells into compliance as required by R649-3-36.

Please submit your plans to produce or plug these wells to the Division within 30 days of this notice or a Notice of Violation (NOV) will be issued.



Page 2  
Ms. White  
June 6, 2011

For extended SI/TA consideration of each well on the SI/TA list, the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence/or absence of Underground Sources of Drinking Water, and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the well bore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,




Dustin K. Doucet  
Petroleum Engineer

DKD/JP/js  
Attachment  
cc: Well File  
Operator Compliance File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

### ATTACHMENT A



|   | Well Name  | API          | Lease Type | Years Inactive   |
|---|------------|--------------|------------|------------------|
| 1 | ARE W30-10 | 43-043-30215 | FEE        | 2 Years          |
| 2 | ARE W12-04 | 43-043-30283 | FEE        | 1 Year 3 Months  |
| 3 | ARE W20-03 | 43-043-30291 | FEE        | 2 Years 5 Months |
| 4 | ARE W20-08 | 43-043-30123 | FEE        | 2 Years 5 Months |
| 5 | ARE E21-14 | 43-043-30130 | FEE        | 1 Year 8 Months  |
| 6 | ARE W21-04 | 43-043-30135 | FEE        | 2 Years 5 Months |
| 7 | ARE W32-04 | 43-043-30162 | FEE        | 1 Year 7 Months  |
| 8 | ARE W20-09 | 43-043-30286 | FEE        | 1 Year 11 Months |

UTAH DEPARTMENT OF NATURAL RESOURCES

Division of Oil, Gas & Mining

Oil and Gas Program

1594 West North Temple, Suite 1210, Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 Phone

(801) 359-3940 Fax

NOTICE OF VIOLATION  
STATE OF UTAH  
OIL AND GAS CONSERVATION ACT

\*\*\*\*\*

To the following operator:

Name: MERIT ENERGY COMPANY

4N 8E 20

|   |                            |
|---|----------------------------|
| Well(s) or Site(s): 1.) <u>ARE W30-10</u> | API #: <u>43-043-30215</u> |
| 2.) <u>ARE W12-04</u>                     | <u>43-043-30283</u>        |
| 3.) <u>ARE W20-03</u>                     | <u>43-043-30291</u> ←      |
| 4.) <u>ARE W20-08</u>                     | <u>43-043-30123</u>        |
| 5.) <u>ARE E21-14</u>                     | <u>43-043-30130</u>        |
| 6.) <u>ARE W21-04</u>                     | <u>43-043-30135</u>        |
| 7.) <u>ARE W32-04</u>                     | <u>43-043-30162</u>        |
| 8.) <u>ARE W20-09</u>                     | <u>43-043-30286</u>        |

Date and Time of Inspection/Violation: August 23, 2011

Mailing Address: Attn: Kim Mercer

13727 Noel Road, Ste 500

Dallas, TX 75240

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the above described site and/or records on the above date and has found alleged violation(s) of the act, rules or permit conditions as described below.

Description of Violation(s):

Rule R649-3-36, Shut-in and Temporarily Abandoned Wells – According to Rule R649-3-36, the operator is required to supply the Division with reasons for extended SI/TA, the length of time for extended SI/TA and proof of well bore integrity for every well SI/TA over 12 consecutive months. After 5 years of continued SI/TA, the wells are to be plugged unless good cause is supplied to the Division for extended SI/TA in addition to the required information just mentioned.

UTAH DEPARTMENT OF NATURAL RESOURCES

Division of Oil, Gas & Mining

Oil and Gas Program

1594 West North Temple, Suite 1210, Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 Phone

(801) 359-3940 Fax

The Division has initiated several contacts with Merit Energy Company (Merit) requesting required documents and action per R649-3-36. Wells 1 through 8 were notified of their non compliance status with a first notice on July 6, 2010. A second notice was issued on June 6, 2011 for these wells. The Division only received one sundry response in regard to this notice. Approval was given on July 5, 2011, for a plan to plug back well #6 and instructed that a SI/TA extension request be submitted upon completion of plug back and testing. No further information has been submitted by Merit to show them moving forward to move this well or any of their other wells out of non-compliance status.

Let it also be stated that the Division has previously issued Notice of Violations (NOV) for Merit's other fifteen (15) wells that are currently in non- compliance status (see attached NOV's). Merit has not responded to either NOV's to date. This NOV now brings all shut in wells operated by Merit as being in violation of the State of Utah's shut in and temporarily abandoned well requirements. Merit has failed to comply with rule R649-3-36 despite the time the Division has worked with them to bring these wells into compliance.

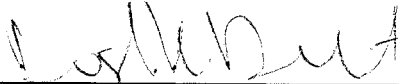
Action: For the wells subject to this notice, Merit shall either submit the information required by R649-3-36, plug and abandon or place the wells on production.

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

Compliance Deadline: October 15, 2011

Date of Service Mailing: August 25, 2011

CERTIFIED MAIL NO: 7011 0110 0001 3568 1205



Division's Representative

Operator or Representative

(If presented in person)

cc: Compliance File  
Well Files

6/2005

|  |  |   |
|--|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>   |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>FEE       |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>1. TYPE OF WELL</b><br>Gas Well   |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>ANSCHUTZ RANCH EAST |
| <b>2. NAME OF OPERATOR:</b><br>MERIT ENERGY COMPANY  |  | <b>8. WELL NAME and NUMBER:</b><br>ARE W20-03               |
| <b>3. ADDRESS OF OPERATOR:</b><br>13727 Noel Rd Ste 500 , Dallas, TX, 75240  |  | <b>9. API NUMBER:</b><br>43043302910000                     |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0641 FSL 1810 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SESW Section: 20 Township: 04.0N Range: 08.0E Meridian: S                                      |  | <b>9. FIELD and POOL or WILDCAT:</b><br>ANSCHUTZ RANCH EAST |
|  |  | <b>COUNTY:</b><br>SUMMIT                                    |
|  |  | <b>STATE:</b><br>UTAH                                       |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION  |
|--|---|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br><b>9/15/2014</b> | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION               |
| <input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:  | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input checked="" type="checkbox"/> <b>PLUG AND ABANDON</b><br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> OTHER |
| <input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:   | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION  |
| <input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:  | OTHER: <input style="width: 100px;" type="text"/>   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Merit Energy Company plans to Plug and Abandon the ARE 20-03 in the coming months, please find the Procedure and WBD attached.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** September 11, 2014

**By:** 

**Please Review Attached Conditions of Approval**

|   |                                     |                                    |
|---|-------------------------------------|------------------------------------|
| <b>NAME (PLEASE PRINT)</b><br>Ross King | <b>PHONE NUMBER</b><br>972 628-1041 | <b>TITLE</b><br>Regulatory Analyst |
| <b>SIGNATURE</b><br>N/A                 | <b>DATE</b><br>7/8/2014             |                                    |



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43043302910000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Amend Plug #2: The proposed 200' plug ( $\pm 37$  sx) shall be balanced from  $\pm 11900'$  to  $11700'$ . This will isolate DVT and the Twin Creek formations from migration uphole into other formations.**
- 3. Add Plug #2A: This plug shall be an inside/outside plug. RIH and perforate 7" @ 10230'. RIH with CICR and set at 10180'. Sting into CICR and establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. M&P 62 sx cement, sting into CICR pump 43sx, sting out and dump 19 sx on top of CICR. This will isolate the Preuss Salt.**
- 4. Amend Plug #3: This plug shall be an inside/outside plug. RIH and perforate 7" and 9 5/8" @ 7240'. RIH with CICR and set at 7190'. Sting into CICR and establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. Close 9 5/8" casing valve and attempt to establish injection into 9 5/8" perfs. If injection into the 9 5/8" perfs cannot be established: M&P 59 sx cement, sting into CICR pump 33sx, sting out and dump 26 sx on top of CICR. If injection is established: M&P 140 sx cement, sting into CICR, open 13 3/8" casing valve, pump 90 sx, close 13 3/8" casing valve and open the 9 5/8" casing valve and pump 24 sx into perfs, sting out and dump 26 sx on top of CICR. This will isolate the Gannett Formation.**
- 5. Amend Plug #4: This plug shall be an inside/outside plug. RIH and perforate 7" and 9 5/8" @ 5597'. RIH with CICR and set at 5547'. Sting into CICR and establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. Close 9 5/8" casing valve and attempt to establish injection into 9 5/8" perfs. If injection into the 9 5/8" perfs cannot be established: M&P 52 sx cement, sting into CICR pump 22sx, sting out and dump 30 sx on top of CICR. If injection is established: M&P 88 sx cement, sting into CICR, open 13 3/8" casing valve, pump 34 sx, close 13 3/8" casing valve and open the 9 5/8" casing valve and pump 13 sx into perfs, sting out and dump 30 sx on top of CICR. This will isolate the Aspen/Bear River zones and surface shoe.**
- 6. Add Plug #4A: This plug shall be an inside/outside plug. RIH and perforate 7" and 9 5/8" @ 3504'. RIH with CICR and set at 3454'. Sting into CICR and establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. Close 9 5/8" casing valve and attempt to establish injection into 9 5/8" perfs. M&P 60 sx cement, sting into CICR, open 13 3/8" casing valve, pump 38 sx, close 13 3/8" casing valve and open the 9 5/8" casing valve and pump 13 sx into perfs, sting out and dump 9 sx on top of CICR. This will isolate the Frontier zones and surface shoe.**
- 7. Amend Plug #6: All annuli shall be cemented from a minimum depth of 100' to the surface. If 1" cannot be run to 100', Perf. 7" & 9 5/8" @ 100' and circulate cement to surface ( $\pm 151$ sx).**
- 8. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 9. Surface reclamation shall be done in accordance with R649-3-34 - Well Site Restoration.**
- 10. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 11. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (of c) or 801-733-0983 (home) prior to continuing with the procedure.**

8/5/2014

## Wellbore Diagram

r263

API Well No: 43-043-30291-00-00

Permit No:

Well Name/No: ARE W20-03

Company Name: MERIT ENERGY COMPANY

Location: Sec: 20 T: 4N R: 8E Spot: SESW

Coordinates: X: 494265 Y: 4545614

Field Name: ANSCHUTZ RANCH EAST

County Name: SUMMIT

## String Information

## String

Bottom  
(ft sub)Diameter  
(inches)Weight  
(lb/ft)Length  
(ft)

(L/CF)

HOL1

331

26

COND

331

20

133

HOL2

5547

17.5 x 13 3/8" w/10%

1.0454 → 0.9566

SURF

5547

13.375

61

1.0190 → 0.981

SURF

5547

13.375

68

HOL3

11839

12.25 x 9 5/8" w/10%

0.4887 → 2.0461

II

11839

9.625

47

II

11839

9.625 x 13 3/8"

101.4

0.3354 → 2.982

HOL4

14115

8.5 x 7" w/10%

0.2121 → 4.7144

PROD

14115

7 x 9 5/8"

32

0.1438 → 6.956

PROD

14115

7 (0.2448) 26

12 1/4" x 10 5/8" (102) → 2.670

## Cement Information

## String

BOC  
(ft sub)TOC  
(ft sub)

Class

Sacks

COND

331

0

A

675

II

11839

8550

G

1050

PROD

14115

12600

A

105

PROD

14115

12600

G

106

SURF

5547

E4 2487

50

1900

SURF

5547

G

700

## Perforation Information

Top  
(ft sub)Bottom  
(ft sub)

Shots/Ft

No Shots

Dt Squeeze

13488

13963

Amend Plug # 3

Amend Plug # 3

Amend Plug # 3

13488

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Amend Plug # 3

Amend Plug # 3

Amend Plug # 3

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|                        |          |                     |                            |                   |  |
|------------------------|----------|---------------------|----------------------------|-------------------|--|
| WELL NAME: ARE W20-03  |          |                     | FIELD: ANSCHUTZ RANCH EAST |                   |  |
| QTR QTR:               | SEC: 17  | TWN: 4N             | RNG: 8E                    |                   |  |
| COUNTY: SUMMIT         | ST: UT   | SPUD DATE: 04/02/88 |                            |                   |  |
| KB: 7524               | GL: 7492 | TD: 14115           | PBTD: 14060                | API: 43-043-30291 |  |
| LAST UPDATED: 06/04/14 |          | BY: Max Berglund    |                            |                   |  |

**CASING DETAILS**

| PURPOSE      | SIZE            | WEIGHT    | GRADE              | SET DEPTH |
|--------------|-----------------|-----------|--------------------|-----------|
| SURFACE      | 13-3/8"         | 61-68#    | K-55, S-80         | 5547'     |
| INTERMEDIATE | 9-5/8", 10-5/8" | 47-101.4# | N-80, HC-95, P-110 | 11839'    |
| PRODUCTION   | 7"              | 26-32#    | L/N-80             | 14115'    |

Has an additional 20" surface casing string set @ 331', not shown on WBS

**TUBING DETAILS**

| DESCRIPTION | SIZE  | WEIGHT | GRADE    | SET DEPTH |
|-------------|---|--------|----------|-----------|
| KB          |   |        |          | 32.00     |
| HANGER      | 3 1/2"  |        |          | 32.50     |
| 1 JT        | 3 1/2"  | 12.7#  | N-80 Vam | 61.60     |
| PUP JT      | 3 1/2"  | 12.7#  | N-80 Vam | 71.26     |
| PUP JT      | 3 1/2"  | 12.7#  | N-80 Vam | 76.42     |
| 212 JTS     | 3 1/2"  | 12.7#  | N-80 Vam | 6,354.16  |
| X-OVER      | 3 1/2" VAM BOX x 3 1/2" EUE PIN 2.75" ID & 3.8" OD    |        |          | 6,355.25  |
| X-OVER      | 3 1/2" EUE BOX x 2 7/8" EUE PIN 2.4" ID & 4.5" OD     |        |          | 6,355.74  |
| 6 JTS       | 2-7/8"  | 6.5#   | N-80 EUE | 6,551.82  |
| GLV 12      | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 6,559.08  |
| 36 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 7,731.87  |
| GLV 11      | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 7,739.16  |
| 30 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 8,717.46  |
| GLV 10      | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 8,724.75  |
| 20 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 9,375.88  |
| GLV 9       | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 9,383.14  |
| 18 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 9,970.46  |
| GLV 8       | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 9,977.75  |
| 18 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 10,564.35 |
| GLV 7       | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 10,571.63 |
| 18 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 11,159.52 |
| GLV 6       | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 11,166.81 |
| 19 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 11,785.65 |
| GLV 5       | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 11,792.97 |
| 18 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 12,380.85 |
| GLV 4       | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 12,388.19 |
| 17 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 12,942.13 |
| GLV 3       | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 12,949.53 |
| 15 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 13,439.01 |
| GLV 2       | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 13,446.44 |
| 1 JTS       | 2-7/8"  | 6.5#   | N-80 EUE | 13,479.04 |
| X-NIPPLE    | 2 7/8" w/ 2.313" profile                              |        |          | 13,480.22 |
| 12 JTS      | 2-7/8"  | 6.5#   | N-80 EUE | 13,871.80 |
| GLV 1       | 2 7/8" EUE BOX x BOX 2.34" ID 3.53" OD FN = 1.2" long |        |          | 13,879.22 |
| 1 JTS       | 2-7/8"  | 6.5#   | N-80 EUE | 13,911.79 |
| XN-NIPPLE   | 2-7/8" w/ 2.313 profile & 2.205 NO-GO                 |        |          | 13,913.02 |
| 1 JT        | 2-7/8"  | 6.5#   | N-80 EUE | 13,945.73 |
| RE-ENTRY    | 2-7/8"  |        | EUE      | 13,946.39 |

Based on 1/03/07 Pulling Report

**NUGGET PERFS**

13488-551, 13559-575  
 13581-613, 13619-640  
 13669-708, 13741-833  
 13845-869, 13877-911  
 13934-963

● DV TOOL. 7" @ 11856'

| 20-03 Well History |   |
|--------------------|---|
| Jul-88             | DO DV tool @ 11856' & cmt to 14078'. Perf Nugget F/ 13934-963' w/ 4 JSPF @ 90 degree phasing. Stead flow for 15 min, poor flow 15 min. Well SI. Perf Nugget F/ 13488-551', 13559-575', 13581-613', 13619-640', 13669-708', 13741-833', 13845-869' & 13877-911 w/ 4 JSP @ 90 degree phasing. TIH & set PKR @ 13245' & turn well to plant. (N2 = 15.59%) RU & RIH w/ bottom hole pressure survey. BHP=2617.99, FBHT=203.7 F, FSP = 1363 & BHSIP = 5229. |
| Apr-90             | RIH w/ 18/64" BH choke & set in Otis "x" nipple @ 13283'.   |
| Dec-93             | Pull packer and reset Packer at 13,261', test to 1,500psi and RTP.  |
| Mar-03             | Well Shut-in  |
| Dec-06             | Test casing to 1,500 psi for 30 min. Install gas lift with no packer  |
|                    | No work since 2006  |

## **ARE W 20-03**

API #: 43-043-30291

**Current Status:** Shut-in

**Future Plan:** Plug and Abandon (PA) – Procedure Attached

**Reason:** Most down dip well in section 20, one of the most down dip in the field. Better potential in up dip locations. Well has 12 gas lift mandrels that may be cleaned up and reused.

### **OPERATIONAL PROCEDURE 20-03**

1. Test anchors. MIRUSU.
2. ND WH and NU BOP.
3. TOOH with 3 1/2" tbg & stainless injection line \*\*split string w/230 jts 2 7/8" on bottom.
4. MIRU E-line and run GR/JB to 15,479'. POOH and PU 7" CIBP, RIH and set CIBP @ 13,963'.
5. Dump bail 35' of cement on top of CIBP.
6. PU work string, TIH to CIBP. Circulate gas/oil out of hole. SI backside and pressure test casing to 500 psi. If casing does not test P/U packer & locate casing leaks.
7. If casing tests, spot 9 ppg gel to 11,413' (WBD indicates good cement between 7" & 9 5/8")
8. Pull tubing to 11,413' spot 200' balanced cement plug.
9. POOC pump 9 ppg gel to 8,713'
10. Pull tubing to 8,713' spot 190' balanced cement plug.
11. POOC pump 9 ppg gel to 5,597' TOOH.
12. RU wireline and shoot 4 holes in the prod casing 50' below the surface shoe at 5,597'.
13. PU CICR, RIH and set 50' above perms @ 5,547'.
14. Dig out and expose 13, 3/8" surface valve and open.
15. Establish circulation up annulus through retainer.
16. After gaining circulation, pump cement sufficient for 100' annular volume (50' in and out plug) plus casing volume from retainer to perms.
17. Sting out of retainer and spot 160' cement on top of CICR.
18. POOC pump 9 ppg gel to 100'
19. TOOH, ND BOP and RDSU.
20. Dig out and cut wellhead 3' below ground level.
21. Run in with 1" poly pipe to 100' and circulate cement to surface in production casing.
22. Fill 13 3/8" w/100' cement using poly pipe.
23. Weld on dry hole plate w/ legal ID. Backfill cellar.

|   |  |   |
|---|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>FEE       |
| <b>1. TYPE OF WELL</b><br>Gas Well  |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>2. NAME OF OPERATOR:</b><br>MERIT ENERGY COMPANY   |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>ANSCHUTZ RANCH EAST |
| <b>3. ADDRESS OF OPERATOR:</b><br>13727 Noel Rd Ste 500 , Dallas, TX, 75240   |  | <b>8. WELL NAME and NUMBER:</b><br>ARE W20-03               |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0641 FSL 1810 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SESW Section: 20 Township: 04.0N Range: 08.0E Meridian: S   |  | <b>9. API NUMBER:</b><br>43043302910000                     |
| <b>9. FIELD and POOL or WILDCAT:</b><br>ANSCHUTZ RANCH EAST   |  | <b>COUNTY:</b><br>SUMMIT                                    |
| <b>STATE:</b><br>UTAH   |  |   |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA   |  |   |
| <b>TYPE OF SUBMISSION</b>   | <b>TYPE OF ACTION</b>  |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE   |   |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>1/20/2015  | <input type="checkbox"/> ALTER CASING                                      |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CASING REPAIR                                     |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS                          |   |
|   | <input type="checkbox"/> CHANGE WELL STATUS                                |   |
|   | <input type="checkbox"/> CHANGE TUBING                                     |   |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS                    |   |
|   | <input type="checkbox"/> DEEPEN  |   |
|   | <input type="checkbox"/> FRACTURE TREAT                                    |   |
|   | <input checked="" type="checkbox"/> PLUG AND ABANDON                       |   |
|   | <input type="checkbox"/> NEW CONSTRUCTION                                  |   |
|   | <input type="checkbox"/> OPERATOR CHANGE                                   |   |
|   | <input type="checkbox"/> PLUG BACK   |   |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME                        |   |
|   | <input type="checkbox"/> RECLAMATION OF WELL SITE                          |   |
|   | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION                    |   |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION                     |   |
|   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL                          |   |
|   | <input type="checkbox"/> TEMPORARY ABANDON                                 |   |
|   | <input type="checkbox"/> TUBING REPAIR                                     |   |
|   | <input type="checkbox"/> VENT OR FLARE                                     |   |
|   | <input type="checkbox"/> WATER DISPOSAL                                    |   |
|   | <input type="checkbox"/> WATER SHUTOFF                                     |   |
|   | <input type="checkbox"/> SI TA STATUS EXTENSION                            |   |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION                        |   |
|   | <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/> |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br><br>Merit Energy Plugged and Abandon the aforementioned well on 01/20/2015 witnessed by Lisha Cordova Field Inspector with Utah Division of Oil, Gas, and Mining. Please see the attached Daily Summary for details of work done. |  |   |
| Accepted by the<br>Utah Division of<br>Oil, Gas and Mining<br><b>FOR RECORD ONLY</b><br>February 03, 2015   |  |   |
| <b>NAME (PLEASE PRINT)</b><br>Katherine McClurkan   | <b>PHONE NUMBER</b><br>972 628-1660  | <b>TITLE</b><br>Regulatory Analyst                          |
| <b>SIGNATURE</b><br>N/A   | <b>DATE</b><br>1/30/2015   |   |



# Job Daily Summary- State Report

Support Line: 972-628-1700 #1

**Report Date:**  
**Report #**
**Well Name: ARE W 20 03**

|                                   |                            |                                  |                                  |   |                             |
|-----------------------------------|----------------------------|----------------------------------|----------------------------------|---|-----------------------------|
| Accounting ID<br>7612-01          | Original Spud Date         | Operator<br>MERIT ENERGY COMPANY | SAP API Number<br>004304330291   | Lease<br>ARE- West                      | Unit Name                   |
| Working Interest (%)<br>59.62     | Original KB Elevation (ft) | SAP Latitude<br>41.0618000000    | SAP Longitude<br>-111.0675200000 | Total Depth                             | KB Adjustment (ft)          |
| Field Name<br>ANSCHUTZ RANCH EAST | County<br>SUMMIT           | State/Province<br>UTAH           | Field Office<br>ANSCHUTZ         | Accounting Group<br>Anschutz Ranch Unit | Producing Status<br>Shut In |

|  |  |  |              |
|--|--|--|--------------|
| Job Category<br>Plug & Abandon   | Primary Job Type<br>Permanently Abandon Well | Job Start Date<br>7/16/2014                        | Job End Date |
| <b>Daily Operations</b>  |  |  |              |
| Report Start Date<br>12/15/2014  |  | Primary Activity<br>MI & RUPU                      |              |
| Operations Summary<br>MI, RUPU & equip. ND tree, NU & function test BOP stack. RU floor, pull on tbg & L/D hanger jt. RU spooling unit & start POH L/D prod tbg while spooling up 1/4" S.S. cap string. L/D 2-pup jts, 39-jts 3 1/2" tbg & secure well w/ EOT @ 12,746'. SDON.   |  |  |              |
| Report Start Date<br>12/16/2014  |  | Primary Activity<br>L/D prod equip                 |              |
| Operations Summary<br>SITP=0#, SICP=50#. Bled off press (10-min) Open well, continue to POH w/ prod equip L/D & spooling 1/4" S.S. cap string. L/D 173-jts 3 1/2" tbg (213-jts total) 146-jts 2 7/8" tbg & 7 GLV's. Secured well w/ EOT @ 2,767' MD & SDON.  |  |  |              |
| Report Start Date<br>12/17/2014  |  | Primary Activity<br>N/D & RDPU                     |              |
| Operations Summary<br>SITP=0#, SICP=50#. Bled off press (10-min) Open well, continue to POH w/ remaining prod equip L/D & spooling 1/4" S.S. cap string. L/D 84-jts 2 7/8" tbg (230-jts total) 5 GLV's. RD floor, ND BOP stack & NU tree. Secured well, RDPU & all support equip.  |  |  |              |
| Report Start Date<br>12/20/2014  |  | Primary Activity<br>MIRU                           |              |
| Operations Summary<br>MIRU SDDO  |  |  |              |
| Report Start Date<br>1/3/2015  |  | Primary Activity<br>Work up plug #1 set CIBP       |              |
| Operations Summary<br>R/U E line, RIH 5.85 GR / JB w/ ccl / FL 5430' tag up at DV tool 11826' ELM, work several times unable to work past, POH tools clean, found (1) ss bands in basket, pump 20bbls FW, RIH 5.85 GR / JB w/ ccl, tag up @ 11826' ELM work several times unable to work past POH tools clean, found (1) ss bands in basket, R/D E line P/U 6" blade bit, 7" csg scrapper, X over, TIH talley 2 3/8" tbg, secure well SDON.  |  |  |              |
| Report Start Date<br>1/4/2015  |  | Primary Activity<br>TIH bit scrapper               |              |
| Operations Summary<br>TIH 170 jts 2 3/8" tbg, EOT 7795' Safety S/D   |  |  |              |
| Report Start Date<br>1/5/2015  |  | Primary Activity<br>TIH 2 3/8" tbg W/ Bit scrapper |              |
| Operations Summary<br>P/U TIH 132 jts 2 3/8" tbg, tag up on DVT @ 11876' MD, set down 5K, P/U not seeing any over pull, work several times work, try some right turn into pipe torques up unable to work past DVT, Call made to Dustin Doucet 1-801-538-5281 State Utah, As discussed with Mel today on the subject well, approval was given to change plugs 1 & 2 to a single plug because of the inability to get CIBP below DVT @ 11856' and the hole full of fluid. The approved change is as follows:<br>RIH with CICR and set @ ~11,830'. M&P 240sx, sting into CICR pump 220 sx below, sting out and dump 20sx on top of CICR. Continue on with previously approved plan from there (Preuss plug @ 10,230') TOH stand back 131 stands 2 3/8" tbg, secure well SDON. |  |  |              |
| Report Start Date<br>1/6/2015  |  | Primary Activity<br>Work up Plug #1                |              |
| Operations Summary<br>TOH 60 stands 2 3/8" tbg, L/D xover, 7" csg scrapper, 6" blade bit, R/U E line RIH 5.69 CICR W/ ccl run collar strip correlate tag up @ 11828'ELM set @ 11823' ELM between collars POH, R/D E line, secure well SDON.  |  |  |              |
| Report Start Date<br>1/7/2015  |  | Primary Activity<br>Work up plug #1                |              |
| Operations Summary<br>Hold saftey mtg, rollout 200bbls see clean returns, pressure test 500 psi 15 min, w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem.),secure well SDON. ( Note : State Utah witnessed Lisha cordova)   |  |  |              |
| Report Start Date<br>1/8/2015  |  | Primary Activity<br>Work up plug #1                |              |
| Operations Summary<br>Hold saftey mtg, rollout 160bbls see clean returns total volume rolled 520bbls, pressure test 500 psi 15 min, w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem.),secure well SDON. ( Note : State Utah witnessed Lisha cordova)   |  |  |              |
| Report Start Date<br>1/9/2015  |  | Primary Activity<br>Pump plug #1                   |              |
| Operations Summary<br>Sting into CICR 18K down, get injection rate 1.5 bpm 600 psi, pump total 50bbls FW, stinger was not sealing in CICR see small returns on backside sting out pump 5bbls flush down tbg resting into CICR retest, still see small returns, sting out flush 5 bbls down tbg sting into CICR pressure backside to 600 psi, stinger is holding, Pump 1 bbl FW M&P total 240sxs class G cmt yield 1.15, slurry 42.7 bbls pump 220 sxs class G cmt below CICR displ 48.5 bbls FW w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem.) sting out pump 20 sxs class class G cmt top CICR, TOC @ 11713', TOH L/D 53jts 2 3/8" tbg, stand back 163 stands 2 3/8" tbg, secure well SDON.  |  |  |              |



## Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:  
Report #

Well Name: ARE W 20 03

|                                   |                            |                                  |                                  |   |                             |
|-----------------------------------|----------------------------|----------------------------------|----------------------------------|---|-----------------------------|
| Accounting ID<br>7612-01          | Original Spud Date         | Operator<br>MERIT ENERGY COMPANY | SAP API Number<br>004304330291   | Lease<br>ARE- West                      | Unit Name                   |
| Working Interest (%)<br>59.62     | Original KB Elevation (ft) | SAP Latitude<br>41.0618000000    | SAP Longitude<br>-111.0675200000 | Total Depth                             | KB Adjustment (ft)          |
| Field Name<br>ANSCHUTZ RANCH EAST | County<br>SUMMIT           | State/Province<br>UTAH           | Field Office<br>ANSCHUTZ         | Accounting Group<br>Anschutz Ranch Unit | Producing Status<br>Shut In |

## Daily Operations

|  |   |
|--|---|
| Report Start Date<br>1/10/2015   | Primary Activity<br>Work up plug 2A                   |
| Operations Summary<br>Hold safety mtg, R/U E line RIH perf gun 4spf ccl, run collar strip correlate, perf @ 10230' between collars POH, RIH CIRC 5.69 OD ccl run collar strip correlate set @ 10170' between collars retag ( Note: collar @ 10180' move CIRC up hole 10' 10170' State Utah OK Helen 1-801-520-2047) POH, R/D E line TIH stinger, 163 stands 2 3/8" tbg EOT @ 10170', sting into CIRC Open 9 5/8" get injection rate 2 bpm @ 100 psi into 7" x 9 5/8" see returns, pressure test CIRC on backside 500psi SI backside, Pump 1 bbl FW M&P 65 sxs class G cmt 15.8# yield 1.15 slurry 12 bbls cmt, Pump 46 bbls below CIRC displ 33.5 bbls FW w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem.) bleed off 7" csg, sting out pump 19 sxs cmt top CIRC displ 3bbls, TOC @ 10020' TOH L/D 96 jts 2 3/8" tbg, stand back 36 stands 2 3/8" tbg EOT @ 6344', secure well SDON. |   |
| Report Start Date<br>1/11/2015   | Primary Activity<br>Wokh up plug #3                   |
| Operations Summary<br>Hold safety mtg, TOH 79 stands 2 3/8" tbg, R/U E Line RIH perf gun 4 spf w/ ccl run collar strip correlate perf between collars @ 7240' POH, get injection into 9 5/8" perfs rate .5 bpm @ 600 psi, see returns up 9 5/8", RIH CIRC 5.69 OD ccl run collar strip correlate, set CIRC @ 7190' between collars retag, POH, R/D E line, TIH stinger, 115 stands 2 3/8" tbg EOT @ 7190' secure well SDON.  |   |
| Report Start Date<br>1/12/2015   | Primary Activity<br>Work up plug #3 / plug #4         |
| Operations Summary<br>Hold safety mtg, EOT 7190' get injection rate 1.5 bpm @ 400 psi, pressure test CIRC on backside 500psi SI backside, Pump 1bbl FW M&P 140 sxs total class G cmt 15.8# yield 1.15 slurry 24.5 bbls cmt, pump 114 sxs cmt below CIRC displ 20 bbls FW w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem.), sting out pump 26 sxs cmt top CIRC displ 5 bbls TOC @ 7050', TOH L/D 54 jts 2 3/8" tbg, stand back 89 stands 2 3/8" tbg, L/D stinger, R/U E line RIH perf gun 4 spf w/ ccl run collar strip correlate perf between collars @ 5602' ( Note: collar @ 5597' State Utah witnessed Helen 1 801-538-5357), POH, get injection into perfs rate 1 bpm @ 200 psi, see returns 9 5/8" 13 3/8", RIH CIRC 5.69 OD w/ ccl run collar strip correlate set @ 5547' between collars POH R/D E line, secure well SDON.   |   |
| Report Start Date<br>1/13/2015   | Primary Activity<br>Work up plug #4 & plug 4A         |
| Operations Summary<br>Hold safety mtg, TIH stinger 115 stands 2 3/8" tbg, sting into CIRC EOT @ 5547', pressure up 500psi backside test CIRC SI backside, get injection into perfs, see returns up 9 5/8", Pump 1 bbl FW M&P 90 sxs class G cmt 15.8# yield 1.15 slurry 16 bbls cmt, pump 60 sxs cmt 10.6 bbls below CIRC displ 16 bbls FW w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem.) sting out pump 30 sxs 5 bbls cmt displ 5 bbls FW TOC @ 5389', L/D 67 jts 2 3/8" tbg, stand back 55 stands, R/U E line, RIH perf gun 4 spf w/ ccl run collar strip correlate perf @ 3504' between collars POH, RIH 5.69 OD CIRC w/ ccl run collar strip correlate set @ 3454' between collars POH, RIH perf gun 4 spf perf @100' POH, secure well SDON.  |   |
| Report Start Date<br>1/14/2015   | Primary Activity<br>Work up plug #4A                  |
| Operations Summary<br>Hold safety mtg, TIH stinger TIH 55 stands 2 3/8" tbg sting into CIRC, EOT @ 3454' secure well SDFDO back on 1/19/15.  |   |
| Report Start Date<br>1/19/2015   | Primary Activity<br>Work up plug #4A / plug #5        |
| Operations Summary<br>Hold safety mtg, Sting into CIRC pressure up backside 500 psi EOT 3454', get injection rate 1bpm @ 550psi, Pump 1 bbl FW, M&P total 51 sxs class G cmt 15.8# yield 1.15 slurry 10.6 bbls cmt, open 13 3/8" pump 20 sxs cmt squeezed off 1300psi displ 3 bbls FW close 13 3/8, open 9 5/8" pump 22 sxs cmt see FW returns displ 6 bbls, FW w/ (mix 8 gal C-6005 per 100 bbls FW, Inhibitor corrosion C-6005 multi chem), sting out pump 9 sxs 1.6 bbls cmt above CIRC displ 2 bbls FW, TOC 3404", ( State Utah Lisha Cordova witnessed 1-801-386-3902), TOH L/D 110 jts 2 3/8" tbg, R/D rig, N/D BOPs, N/U well head, 100' Surface plug #5, Pump 1 bbl FW, M&P 60 sxs class G cmt 15.8# yield 1.15 slurry 10.6 bbls cmt, pump down 7", open 13 3/8" see cmt returns, close 13/3/8", open 9 5/8" see cmt returns, clean up cmt equipment, secure well SDON.                                  |   |
| Report Start Date<br>1/20/2015   | Primary Activity<br>Work up plug #5 / plug #6 surface |
| Operations Summary<br>Hold safety mtg, dig out well head, cut off, M&P 14 sxs class G cmt 15.8# yield 1.15 slurry 2.5 bbls top off 7" csg 1" poly weld on plate data fill in, Final report.  |   |





**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43-043-30291  
**Well Name:** ARE W20-03  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Robert Garcia  
**Rig Hand:** Jeffrey Norton  
**Rig Hand:**  
**Rig Hand:**

**Company Man:** Mel Wren  
**Projected Days:**  
**Section:** 20 **Township:** 04.0N

**Date:** 1/3/2015  
**Days on Well:** 3  
**Range:** 08.0E

| Hours | Per-diem |
|-------|----------|
| 14    | 50       |
| 13    | 50       |
| 13    | 50       |
| 13    | 50       |
| 13    | 50       |
|       |          |
|       |          |

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



| Task Times:  |         | Job Steps "In Bid Scope"                                  | Task Times: |  | Job Steps "Out of Bid Scope"                              |
|--|---------|---|-------------|--|---|
| 6:00AM   | 7:00AM  | Crew Travel   |             |  |   |
| 7:00AM   | 7:05AM  | JSA, Check Pressures; 0 Psi. on all Csg.                  |             |  |   |
| 7:05AM   | 9:30AM  | Defrost Equip., R/U Magna Wireline                        |             |  |   |
| 9:30AM   | 12:30PM | RIH w/ 5.85" Gauge ring, Stacked out @ 11,828' (DV Tool)  |             |  |   |
|  |         | POOH, Pump 20 Bbls. Down 7" Csg., RIH w/ 5.85" GR,        |             |  |   |
|  |         | Stacked out @ 11,828 (DV Tool), POOH, R/D WL              |             |  |   |
| 12:30PM  | 4:30PM  | W/O Bit & Scraper from Weatherford, (Rig Maintance)       |             |  |   |
| 4:30PM   | 6:00PM  | P/U Bit & Scraper, P/U 80 Jts. 2 3/8" N-80 8rd. EUE Tbg., |             |  |   |
|  |         | EOT @ 2494', SWIFN  |             |  |   |
| 6:00PM   | 7:00PM  | Crew Travel   |             |  |   |
|  |         |   |             |  |   |
|  |         |   |             |  |   |
|  |         |   |             |  |   |
|  |         |   |             |  |   |
|  |         |   |             |  | "All Cement Pumpoed is Type "G" W/ 1.15 sx/yield @ 15.8#" |
|  |         |   |             |  |   |
|  |         |   |             |  |   |
| Comments: Plans for 1-4-15: p/u Tbg. W/ Bit & Scraper to 13,488', POOH |         |   | Comments:   |  |   |

**District Mangers Signature:** \_\_\_\_\_

**District Mangers Signature:** \_\_\_\_\_

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43-043-30291  
**Well Name:** ARE W20-03  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Robert Garcia  
**Rig Hand:** Jeffrey Norton  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_  
**Section:** 20 **Township:** 04.0N

**Date:** 1/5/2015  
**Days on Well:** 5  
**Range:** 08.0E

| Hours | Per-diem |
|-------|----------|
| 12.5  | 50       |
| 11    | 50       |
| 11    | 50       |
| 11    | 50       |
| 11    | 50       |
|       |          |
|       |          |

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



| Task Times:  |         | Job Steps "In Bid Scope"                  | Task Times: |        | Job Steps "Out of Bid Scope"                                   |
|--|---------|---|-------------|--------|--|
| 6:00AM   | 7:00AM  | Crew Travel                               |             |        |  |
| 7:00AM   | 7:05AM  | JSA, Check Pressures; 0 Psi. on all Csg.  |             |        |  |
| 7:05AM   | 7:30AM  | W/O lighting to Trip Pipe                 |             |        |  |
| 7:30AM   | 12:30PM | P/U 131 Jts. (381 total), Tagged @ 11876' |             |        |  |
|  |         |   | 12:30PM     |        | Worked Tbg. Made no Hole, Called for Orders, Was verbally      |
|  |         |   |             |        | Approved by state to now set a CICR @ 11,830', Pump 220 sxs.   |
|  |         |   |             | 1:00PM | Below w/ 20 sxs. ontop of CICR instead                         |
|  |         |   | 1:00PM      |        | TOOH w/ 180 Jts. 2 3/8" Tbg. in Derrick, Shut Down due to Wind |
|  |         |   |             | 4:00PM | EOT @ 6220' w/ 200 Jts. left in hole                           |
|  |         |   | 4:00PM      | 5:00PM | Crew Travel  |
|  |         |   |             |        |  |
|  |         |   |             |        |  |
|  |         |   |             |        |  |
|  |         |   |             |        |  |
|  |         |   |             |        | "All Cement Pumpoed is Type "G" W/ 1.15 sx/yard @ 15.8#"       |
|  |         |   |             |        |  |
|  |         |   |             |        |  |
| Comments: Plans for 1-6-15: TOOH, R/U Wireline, set CICR @ 11830', TIH |         |   | Comments:   |        |  |

**District Mangers Signature:** \_\_\_\_\_



**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43-043-30291  
**Well Name:** ARE W20-03  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Robert Shelton  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_

**Date:** 1/7/2015  
**Days on Well:** 7  
**Range:** 08.0E

**Section:** 20 **Township:** 04.0N

| Hours | Per-diem |
|-------|----------|
| 15    | 50       |
| 14    | 50       |
| 14    | 50       |
| 14    | 50       |
|       |          |
|       |          |
|       |          |

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



| Task Times:   |         | Job Steps "In Bid Scope"   | Task Times: |  | Job Steps "Out of Bid Scope"                             |
|---|---------|--|-------------|--|--|
| 6:00am  | 7:00am  | Crew Travel  |             |  |  |
| 7:00am  | 7:05am  | JSA, Check Pressures; 0 Psi. Tbg., 0 Psi. Csg.                   |             |  |  |
| 7:05am  |         | P/U Stinger, TIH w/ 380 Jts. 2 3/8" N-80 Tbg., Tagged CICR @     |             |  |  |
|   | 12:00pm | 11,823', P/U 2' off CICR   |             |  |  |
| 12:00pm   |         | Role the hole w/ 320 Bbls. Water down Tbg. up 7", Broke circ.    |             |  |  |
|   |         | w/ 180 bbls. Into circ., Pressure Tested Csg. To 500 Psi. for 15 |             |  |  |
|   | 7:00PM  | Min. (Good), Winterize Equip., SWIFN                             |             |  |  |
| 7:00PM  | 8:00PM  | Crew Travel  |             |  |  |
|   |         |  |             |  |  |
|   |         |  |             |  |  |
|   |         |  |             |  |  |
|   |         |  |             |  |  |
|   |         |  |             |  |  |
|   |         |  |             |  |  |
|   |         |  |             |  | "All Cement Pumpoed is Type "G" W/ 1.15 sx/yard @ 15.8#" |
|   |         |  |             |  |  |
|   |         |  |             |  |  |
| Comments: Plans for 1-8-15: Safety Meeting w/ Merit, Role the hole w/ another 130 bbls. (450 bbls. Total) |         |  | Comments:   |  |  |

**District Mangers Signature:** \_\_\_\_\_

**District Mangers Signature:**

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43-043-30291  
**Well Name:** ARE W20-03  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Robert Shelton  
**Rig Hand:** Gustavo Figueroa  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_

**Date:** 1/9/2015  
**Days on Well:** 9  
**Range:** 08.0E

**Section:** 20 **Township:** 04.0N

| Hours | Per-diem |
|-------|----------|
| 14    | 50       |
| 13    | 50       |
| 13    | 50       |
| 13    | 50       |
| 13    | 50       |
|       |          |
|       |          |

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



| Task Times:   |         | Job Steps "In Bid Scope"  | Task Times: |  | Job Steps "Out of Bid Scope"                              |
|---|---------|---|-------------|--|---|
| 5:30am  | 7:00am  | Crew Travel, JSA  |             |  |   |
| 7:00am  |         | Check Pressures; 0 Psi. Tbg., 0 Psi. Csg.                         |             |  |   |
|   |         | Sting inti CICR, Attempt to get an Injection rate into Perfs. Had |             |  |   |
|   |         | 18K set down on CICR, Returns up 7" Csg., Stung out, Pumped       |             |  |   |
|   |         | 5 Bbls. To Clean up Stinger, Sting into CICR, Attempt injection   |             |  |   |
|   |         | Rate, Returns up 7" Csg. W 20K set on CICR, Sting out of CICR,    |             |  |   |
|   |         | Pump 5 Bbls. Down Tbg.  |             |  |   |
|   |         | Sting into CICR, Pump below CICR w/ 7" Closed (7" went on a       |             |  |   |
|   |         | suck when opened, hook up to 7", filled 7" w/ 4 Bbls. to 600 Psi. |             |  |   |
|   |         | Shut 7" in, hook up to Tbg., Pumped 1 Bbl. Fresh, 240 sxs.        |             |  |   |
|   |         | Cement, 1 Bbl. Fresh, Displ. w/ 40.5 bbls., Shut Tbg. in,         |             |  |   |
|   |         | Sting out of CICR, Bleed off 7" Pressure, open Tbg., Pump 3 Bbls. |             |  |   |
|   |         | Displ. (Leaving 110' Plug on CICR w/ 20 sxs., EOT @ 11,713')      |             |  |   |
|   | 12:00pm | Pumped 90 Bbls. Total For Injection Rate                          |             |  |   |
| 12:00pm   | 5:30pm  | L/D 53 Jts. Tbg. TOOH w/ 327 Jts. Tbg., SWIFN                     |             |  | "All Cement Pumpoed is Type "G" W/ 1.15 sx/yield @ 15.8#" |
| 5:30PM  | 6:30PM  | Crew Travel, JSA  |             |  |   |
|   |         |   |             |  |   |
|   |         |   |             |  |   |
| 1-10-15 Plans: Perf @ 10,230', set CICR @ 10,180', TIH w/ Tbg., Load hole, sting into CICR, Attempt to get injection rate, Pump 62 sxs. cement 200' Plugs in 9 5/8" x 7" / L/D to 7190', TOOH |         |   | Comments:   |  |   |

**District Mangers Signature:** \_\_\_\_\_

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43-043-30291  
**Well Name:** ARE W20-03  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Shane Berube  
**Rig Hand:** Gustavo Figueroa  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_

**Date:** 1/10/2015  
**Days on Well:** 10  
**Range:** 08.0E

**Section:** 20 **Township:** 04.0N

| Hours | Per-diem |
|-------|----------|
| 8     | 50       |
| 13    | 50       |
| 13    | 50       |
| 13    | 50       |
| 13    | 50       |
|       |          |
|       |          |

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



| Task Times:   |         | Job Steps "In Bid Scope"  | Task Times: |  | Job Steps "Out of Bid Scope"                              |
|---|---------|---|-------------|--|---|
| 5:30am  | 7:00am  | Crew Travel, JSA  |             |  |   |
| 7:00am  |         | Check Pressures; 0 Psi. Tbg., 0 Psi. Csg.                         |             |  |   |
|   |         | R/U Magna wireline, RIH w/ 4 shot squeeze gun, shoot holes @      |             |  |   |
|   |         | 10,230', POOH, RIH w/5.69 CICR, set @ 10,170', POOH, R/D          |             |  |   |
|   | 10:00am | Wire line   |             |  |   |
| 10:00am   |         | P/U Stinger, TIH w/327, Sting into CICR, Pressure up 7" Csg.      |             |  |   |
|   | 12:00pm | to 500 Psi.   |             |  |   |
| 12:00pm   |         | Injection rate into 9 5/8" @ 2 bbl. Min @ 200 Psi., Circ. Up      |             |  |   |
|   |         | Annulus, Pump 1 Bbl. Fresh, 65 sxs. cement, 1 Bbl. Fresh,         |             |  |   |
|   |         | 34.5 Bbls. Displ., Sting out of CICR, Pump 3 Bbls. Displ. Leaving |             |  |   |
|   |         | 28 sxs. below (200' in 9 5/8" w/ 60' Below CICR), 200' on         |             |  |   |
|   | 2:00pm  | top of CICR w/ 37 sxs.  |             |  |   |
| 2:00pm  | 4:00pm  | L/D 96 Jts. Tbg.  |             |  |   |
| 4:00pm  | 5:30pm  | TOOH w/ 36 Jts., EOT @ 6344' w/ 204 Jts. in the hole              |             |  |   |
| 5:30pm  | 6:30pm  | Crew Travel   |             |  | "All Cement Pumpoed is Type "G" W/ 1.15 sx/yield @ 15.8#" |
|   |         |   |             |  |   |
|   |         |   |             |  |   |
|   |         |   |             |  |   |
| 1-11-15 Plans: TOOH w/ 204 Jts. shoot holes @ 7240', set CICR @ 7190', TIH, Pump 88 SXS. Cement, l/d to 5547' |         |   | Comments:   |  |   |

**District Mangers Signature:** \_\_\_\_\_

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43-043-30291  
**Well Name:** ARE W20-03  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Shane Berube  
**Rig Hand:** Gustavo Figueroa  
**Rig Hand:**  
**Rig Hand:**

**Company Man:** Mel Wren  
**Projected Days:**  
**Section:** 20 **Township:** 04.0N

**Date:** 1/11/2015  
**Days on Well:** 11  
**Range:** 08.0E

| Hours | Per-diem |
|-------|----------|
| 1     | 50       |
| 12    | 50       |
| 12    | 50       |
| 12    | 50       |
| 12    | 50       |
|       |          |
|       |          |

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



| Task Times:   |         | Job Steps "In Bid Scope"   | Task Times: |  | Job Steps "Out of Bid Scope"                              |
|---|---------|--|-------------|--|---|
| 5:30am  | 7:00am  | Crew Travel, JSA   |             |  |   |
| 7:00am  |         | Check Pressures; 0 Psi. Tbg., 0 Psi. Csg.                        |             |  |   |
|   | 9:00am  | TOOH w/ 159 Jts. Tbg.  |             |  |   |
| 9:00am  |         | R/U Magna wire line, RIH w/ 4 shot squeeze gun shoot holes @     |             |  |   |
|   |         | 7240', POOH, break circ. Up 9 5/8, Close valve, injection rate @ |             |  |   |
|   |         | 1/2 Bbl. Min. @ 700', RIH w/ 5.61 CICR, Set @ 7190', POOH        |             |  |   |
|   | 12:00pm | R/D Wire line  |             |  |   |
| 12:00pm   | 1:15pm  | Lunch, Swap out Tbg. trailers                                    |             |  |   |
| 1:15pm  |         | P/U Stinger, TIH w/ 231 Jts. 2 3/8" Tbg., Space out, Stay stung  |             |  |   |
|   | 4:30PM  | into CICR, Winterize Equip, SWIFN                                |             |  |   |
| 4:30PM  | 5:30PM  | Crew Travel  |             |  |   |
|   |         |  |             |  |   |
|   |         |  |             |  |   |
|   |         |  |             |  |   |
|   |         |  |             |  | "All Cement Pumpoed is Type "G" W/ 1.15 sx/yield @ 15.8#" |
|   |         |  |             |  |   |
|   |         |  |             |  |   |
| 1-12-15 Plans: Pump 88 sxs. Cement,L/D to 5547', TOOH, shoot holes @ 3504', Injection rate, set CICR @ 3454', TIH |         |  | Comments:   |  |   |

**District Mangers Signature:** \_\_\_\_\_

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43-043-30291  
**Well Name:** ARE W20-03  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Shane Berube  
**Rig Hand:** Gustavo Figueroa  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_

**Date:** 1/12/2015  
**Days on Well:** 12  
**Range:** 08.0E

**Section:** 20 **Township:** 04.0N

| Hours | Per-diem |
|-------|----------|
| 14.5  | 50       |
| 13.5  | 50       |
| 13.5  | 50       |
| 13.5  | 50       |
| 13.5  | 50       |
|       |          |
|       |          |

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



| Task Times:  |         | Job Steps "In Bid Scope"   | Task Times: |  | Job Steps "Out of Bid Scope"                             |
|--|---------|--|-------------|--|--|
| 5:30am   | 7:00am  | Crew Travel, JSA   |             |  |  |
| 7:00am   |         | Check Pressures; 0 Psi. Tbg., 0 Psi. 7" Csg., 9 5/8" Suck, 13 3/8  |             |  |  |
|  |         | 10 Psi., Dig out 13 3/8", Injection into 13 3/8" @ 1/2 Bbl. Min. @ |             |  |  |
|  |         | 600 Psi., w/ 30 Bbls. (no Circ.), Pump 1 Bbl. Into 7", Pressure    |             |  |  |
|  |         | up to 500 Psi., shut 7" in, Leave 13 3/8" valve open, Pump 1 Bbl.  |             |  |  |
|  |         | Fresh, 140 sxs. Cement, 1 Bbl. Fresh, Displ. w/ 15 Bbls. Leaving   |             |  |  |
|  |         | 190' plug w/ 81 sxs., Close 13 3/8", Open 9 5/8" valve, Displ.     |             |  |  |
|  |         | w/ 4.7 Bbls. Leaving 190' Plug w/ 24 sxs., Close 9 5/8"            |             |  |  |
|  |         | Bleed off 500 Psi. on 7", Sting out of CICR, Pump 6.5 Bbls. Displ. |             |  |  |
|  | 12:00PM | Leaving 190' Plug on CICR w/ 35 sxs. TOC @ 7000'                   |             |  |  |
| 12:00PM  | 2:00pm  | L/D 54 Jts. 2 3/8" Tbg., TOO H w/ 177, L/D Stinger                 |             |  |  |
| 2:00pm   |         | JSA, R/U magna wire line, RIH w/ 4 shot squeeze gun, shoot         |             |  |  |
|  |         | holes @ 5602', POOH, Injection rate down 7" x 13 3/8" @            |             |  |  |
|  |         | 1 Bbl. Min. @ 200 Psi. w/ 20 Bbls., RIH w/ 5.61 CICR, Set @        |             |  |  |
|  | 5:00pm  | 5547', POOH, R/D Wire line   |             |  | "All Cement Pumpoed is Type "G" W/ 1.15 sx/yard @ 15.8#" |
| 5:00pm   | 6:00pm  | Winterize Equip., Change Valves and seats on Pump, SWIFN           |             |  |  |
| 6:00PM   | 7:00PM  | Crew Travel  |             |  |  |
| 1-13-15 Plans: TIH w/ 177 Jts., Injection rate into 13 3/8", Pump 88 sxs. cement, L/D to 3454', TOO H, SHOOT HOLES @ 3504', set CICR @ 3454', shoot holes @ 100' |         |  | Comments:   |  |  |

**District Mangers Signature:** \_\_\_\_\_

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43-043-30291  
**Well Name:** ARE W20-03  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Shane Berube  
**Rig Hand:** Gustavo Figueroa  
**Rig Hand:**   
**Rig Hand:**

**Company Man:** Mel Wren  
**Projected Days:**   
**Section:** 20 **Township:** 04.0N

**Date:** 1/13/2015  
**Days on Well:** 13  
**Range:** 08.0E

| Hours | Per-diem |
|-------|----------|
| 14.5  | 50       |
| 13.5  | 50       |
| 13.5  | 50       |
| 13.5  | 50       |
| 13.5  | 50       |
|       |          |
|       |          |

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



| Task Times:   |        | Job Steps "In Bid Scope"  | Task Times: |  | Job Steps "Out of Bid Scope"                              |
|---|--------|---|-------------|--|---|
| 5:30am  | 7:00am | Crew Travel, JSA  |             |  |   |
| 7:00am  |        | Check Pressures; 0 Psi. 7" Csg., 0 Psi. 9 5/8", 0 Psi. 13 3/8       |             |  |   |
|   |        | P/U Stinger, TIH w/ 177 Jts. 2 3/8" Tbg., Sting into CICR, Pump     |             |  |   |
|   |        | 40 Bbls. Down Tbg. into 13 3/8" Annulus (No Returns), Shut          |             |  |   |
|   |        | 13 3/8" Valve, Injection Rate @ 1 Bbl. Min. @ 600 Psi., Pressure    |             |  |   |
|   |        | against 7", shut in w/ 500 Psi., Pump 1 Bbl. Fresh, 90 sxs., 1 Bbl. |             |  |   |
|   |        | Fresh, 9.5 Bbls. Displ. Leaving 100' Plug w/ 36 sxs., shut valve,   |             |  |   |
|   |        | open 9 5/8", Pump 4.7 Bbls. Displ. Leaving 100' Plug in 9 5/8       |             |  |   |
|   |        | w/ 11 sxs. Below CICR, Close valve, Bleed off 500 Psi. on 7",       |             |  |   |
|   |        | Sting out of CICR, Pump 5 Bbls. Displ. Leaving 160' Plug on CICR,   |             |  |   |
|   | 1:30PM | w/ 30 sxs., TOC @ 5387'   |             |  |   |
| 1:30PM  | 2:30PM | L/D 67 Jts. 2 3/8" Tbg.   |             |  |   |
| 2:30pm  | 3:30pm | TOOH w/ 110 Jts. Tbg.   |             |  |   |
| 3:30pm  |        | JSA, R/U Magna wire line, Shoot 4 shot squeeze gun @ 3504',         |             |  |   |
|   |        | POOH, RIH w/ 5.61 CICR, Set @ 3454', POOH, Load 7" Csg. w/          |             |  | "All Cement Pumpoed is Type "G" W/ 1.15 sx/yield @ 15.8#" |
|   |        | water, Shoot 4 shot Squeeze gun @ 100', R/D Wireline,               |             |  |   |
|   | 6:00PM | winterize Equip., SDFN  |             |  |   |
| 6:00PM  | 7:00PM | Crew Travel   |             |  |   |
| 1-14-15 Plans: p/u stinger, TIH, Sting into CICR, fill cementer, sdfn, crew travel home, return on 1-18-15 to start work on the 1-19-15 |        |   | Comments:   |  |   |

**District Mangers Signature:** \_\_\_\_\_

**District Mangers Signature:** \_\_\_\_\_

**District Mangers Signature:** \_\_\_\_\_

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43-043-30291  
**Well Name:** ARE W20-03  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Shane Berube  
**Rig Hand:** Gustavo Figueroa  
**Rig Hand:**  
**Rig Hand:**

**Company Man:** Mel Wren  
**Projected Days:**  
**Section:** 20 **Township:** 04.0N

**Date:** 1/19/2015  
**Days on Well:** 16  
**Range:** 08.0E

| Hours | Per-diem |
|-------|----------|
| 14    | 35       |
| 12.5  | 35       |
| 12.5  | 35       |
| 12.5  | 35       |
| 12.5  | 35       |
|       |          |
|       |          |

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



| Task Times:  |         | Job Steps "In Bid Scope"   | Task Times: |  | Job Steps "Out of Bid Scope"                              |
|--|---------|--|-------------|--|---|
| 5:30am   | 7:00am  | Crew Travel, JSA   |             |  |   |
| 7:00am   |         | Check Pressures; 0 Psi. Tbg., 0 Psi. all Annulus, Injection rate   |             |  |   |
|  |         | into 13 3/8" @ 1 Bbl. Min. @ 400 Psi., w/ 20 Bbls. (No returns),   |             |  |   |
|  |         | circ. Up 9 5/8", Pump 1 Bbl. Fresh, 60 sxs., 1 Bbl. Fresh, 3 Bbls. |             |  |   |
|  |         | Displ., 13 3/8" Pressured up to 1300 Psi. W/ no Bleed off, Leaving |             |  |   |
|  |         | 64' Plug w/20 sxs. in 13 3/8", Close 13 3/8", open 9 5/8",         |             |  |   |
|  |         | Displ. w/ 6 Bbls. Leaving 171' Plug in 9 5/8" w/ 22 sxs. and       |             |  |   |
|  |         | 50' Plug below CICR w/ 9 sxs., Close 9 5/8", open 7", sting out    |             |  |   |
|  |         | of CICR, Pump 2 Bbls. Displ., Leaving 50' on top of CICR w/ 9 sxs. |             |  |   |
|  | 12:00pm | TOC @ 3404', L/D 110 Jts. 2 3/8" Tbg.                              |             |  |   |
| 12:00pm  | 1:00pm  | R/D floor, NDBOP, NUWH   |             |  |   |
| 1:00pm   | 2:30pm  | RDWOR  |             |  |   |
| 2:30PM   |         | Break Circ. Up 13 3/8", Pumped 60 sxs. total Leaving 100'          |             |  |   |
|  |         | Plug in 13 3/8" w/ 29 sxs. 100' to Surf., 100' Plug in 9 5/8"      |             |  |   |
|  |         | w/ 13 sxs. 100' to Surf., 100' Plug in 7" w/ 18 sxs. 100' to       |             |  | "All Cement Pumpoed is Type "G" W/ 1.15 sx/yield @ 15.8#" |
|  | 3:30pm  | Surf.  |             |  |   |
| 3:30pm   | 5:00pm  | R/D Equip, SWIFN   |             |  |   |
| 5:00pm   | 6:00pm  | Crew Travel  |             |  |   |
| 1-20-15 Plans: Dig out well head, Cut well head off, top of w. cement to Surf., weld info cap on well, Get every thing ready for transport to Vernal, Ut |         |  | Comments:   |  |   |

**District Mangers Signature:** \_\_\_\_\_

**District Mangers Signature:** \_\_\_\_\_

|  |  |   |
|--|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>FEE       |
| <b>1. TYPE OF WELL</b><br>Gas Well   |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>2. NAME OF OPERATOR:</b><br>MERIT ENERGY COMPANY  |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>ANSCHUTZ RANCH EAST |
| <b>3. ADDRESS OF OPERATOR:</b><br>13727 Noel Rd Ste 500 , Dallas, TX, 75240  |  | <b>8. WELL NAME and NUMBER:</b><br>ARE W20-03               |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0641 FSL 1810 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SESW Section: 20 Township: 04.0N Range: 08.0E Meridian: S  |  | <b>9. API NUMBER:</b><br>43043302910000                     |
| <b>PHONE NUMBER:</b><br>972 628-1540 Ext   |  | <b>9. FIELD and POOL or WILDCAT:</b><br>ANSCHUTZ RANCH EAST |
| <b>COUNTY:</b><br>SUMMIT   |  | <b>STATE:</b><br>UTAH                                       |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA


| TYPE OF SUBMISSION   | TYPE OF ACTION  |
|--|---|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br><b>8/10/2017</b> | <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input checked="" type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div> |
| <input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:  |   |
| <input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:   |   |
| <input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:  |   |
| OTHER: <input style="width: 100%;" type="text"/>   |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Merit Energy request 1 year extension for reclaiming the above referenced well. Merit plans on reclaiming the well in the 3rd quarter of 2017.

**Approved by the**  
**September 02, 2016**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_

By: 

|   |                                     |                                    |
|---|-------------------------------------|------------------------------------|
| <b>NAME (PLEASE PRINT)</b><br>Katherine McClurkan | <b>PHONE NUMBER</b><br>972 628-1660 | <b>TITLE</b><br>Regulatory Analyst |
| <b>SIGNATURE</b><br>N/A                           | <b>DATE</b><br>8/2/2016             |                                    |